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AN ACCOUNT
OF THE
CRUSTACEA
OF
NORWAY



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AN ACCOUNT
OF THE
CRUSTACEA
OF
NORWAY

WITH SHORT DESCRIPTIONS AND FIGURES OF ALL THE SPECIES

BY
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G. O. SARS
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Vol. I.
AMPHIPODA

(PLATES.)

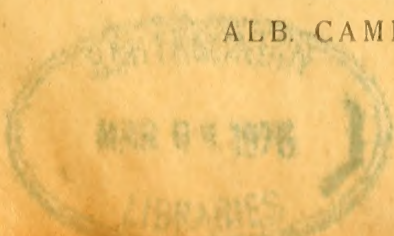
INVERTEBRATE
ZOOLOGY
Crustacea

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CHRISTIANIA AND COPENHAGEN
ALB. CAMMERMEYERS FORLAG
(LARS SWANSTRØM)

1895



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2. *Dulichia nordlandica*, Boeck ♀.

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1. *Dulichia nordlandica*, Boeck ♀.

2. *Paradulichia typica*, Boeck ♀.

Plate 233.

Phthisica marina, Slabber (see text).

Plate 234.

1. *Protella phasma*, (Mont.).

2. *Egina echinata* Boeck.

Plate 235.

1. *Eginella spinosa*, Boeck.

2. *Pariambus typicus*, (Krøyer) (see text).

Plate 236.

Caprella linearis, (Lin.)

Plate 237.

1. *Caprella septentrionalis*, Krøyer.

2. *Caprella punctata*, Boeck.

Plate 238.

1. *Caprella monocera*, G. O. Sars.

2. *Caprella Lovéni*, Boeck.

3. *Caprella æquilibra*, Say.

Plate 239.

1. *Caprella microtuberculata*, G. O. Sars.

2. *Caprella ciliata*, G. O. Sars.

3. *Caprella acanthifera*, Leach.

XIII

Plate 240.

Paracyamus boopis, (Lütken) (see text).

Suppl. Plate I.

1. *Normanion amblyops*, G. O. Sars.
2. *Aristias microps*, G. O. Sars.

Suppl. Plate II.

1. *Aristias megalops*, G. O. Sars.
2. *Perrierella audouiniana*, (Sp. Bate).

Suppl. Plate III.

1. *Hippomedon robustus* G. O. Sars
2. *Orchomene Hanseni*, Meinert.

Suppl. Plate IV.

1. *Orchomene serrata*, Boeck ♂.
2. *Tryphosa compressa*, G. O. Sars.

Suppl. Plate V.

Podoprionella norvegica, G. O. Sars.

Suppl. Plate VI.

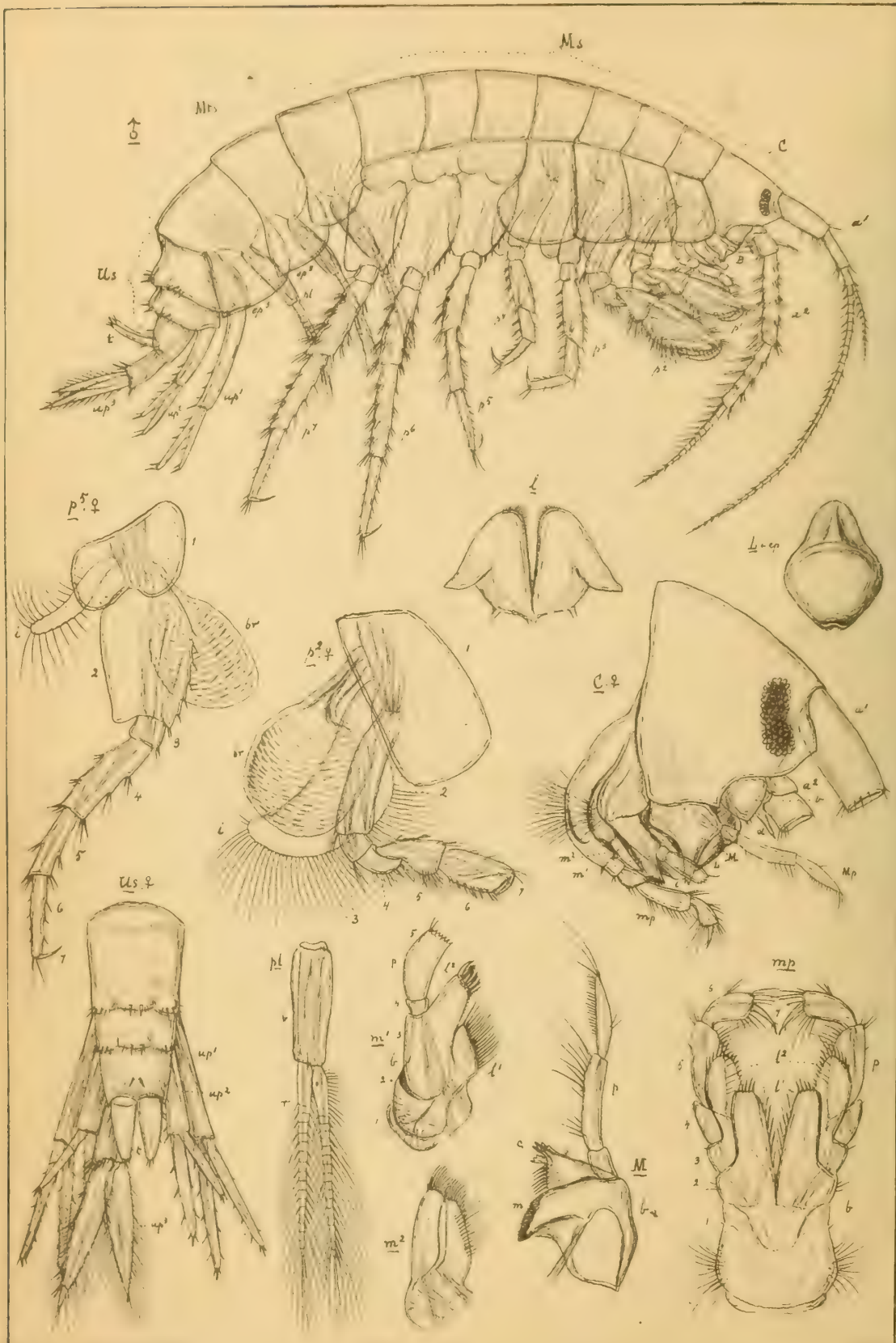
1. *Monoculodes Schneideri*, G. O. Sars.
2. *Pontocrates norvegicus*, Boeck ♀.

Suppl. Plate VII.

1. *Pontocrates norvegicus*, Boeck ♂.
2. *Pontocrates altamarinus*, (Sp. Bate).

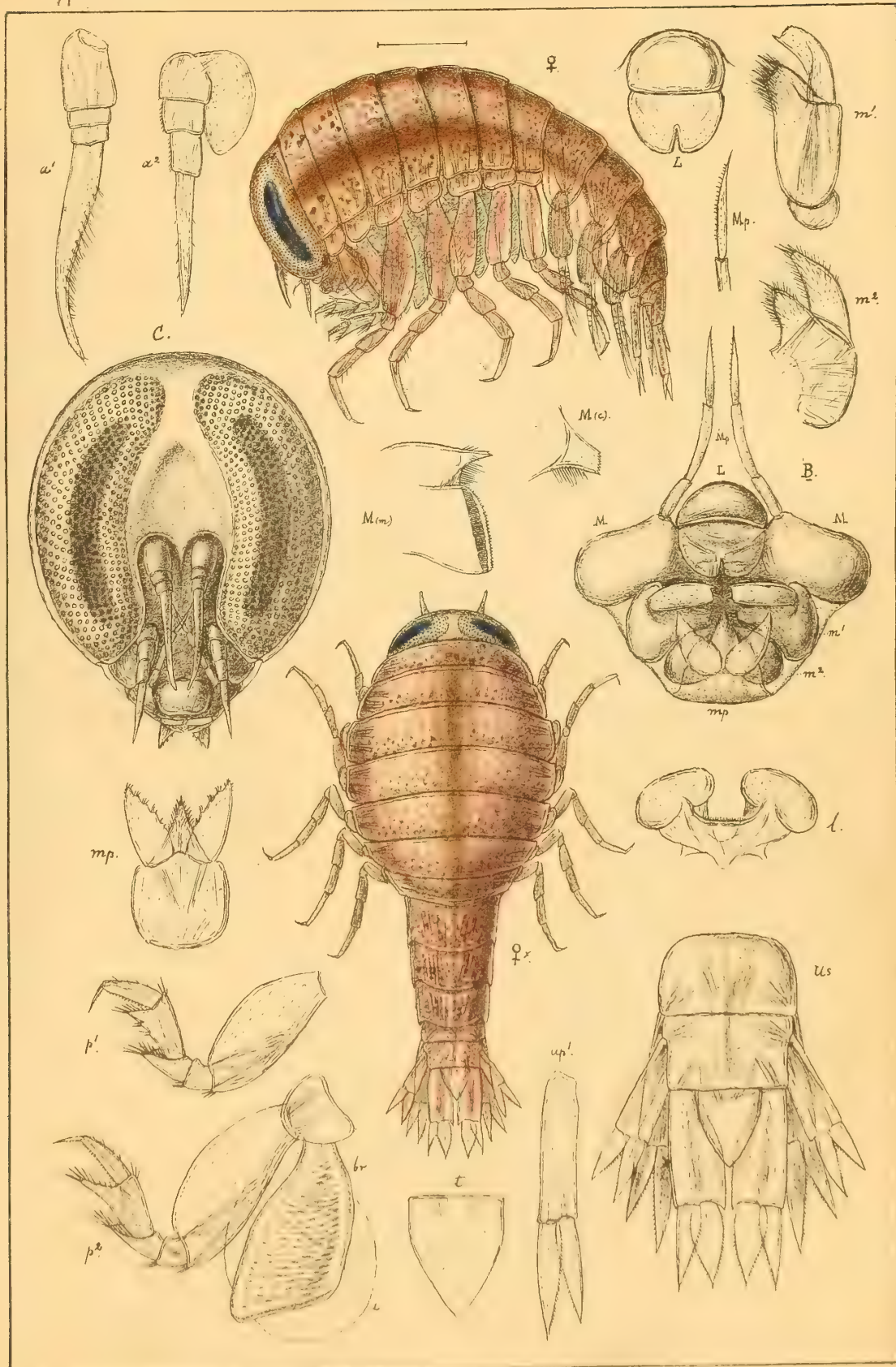
Suppl. Plate VIII.

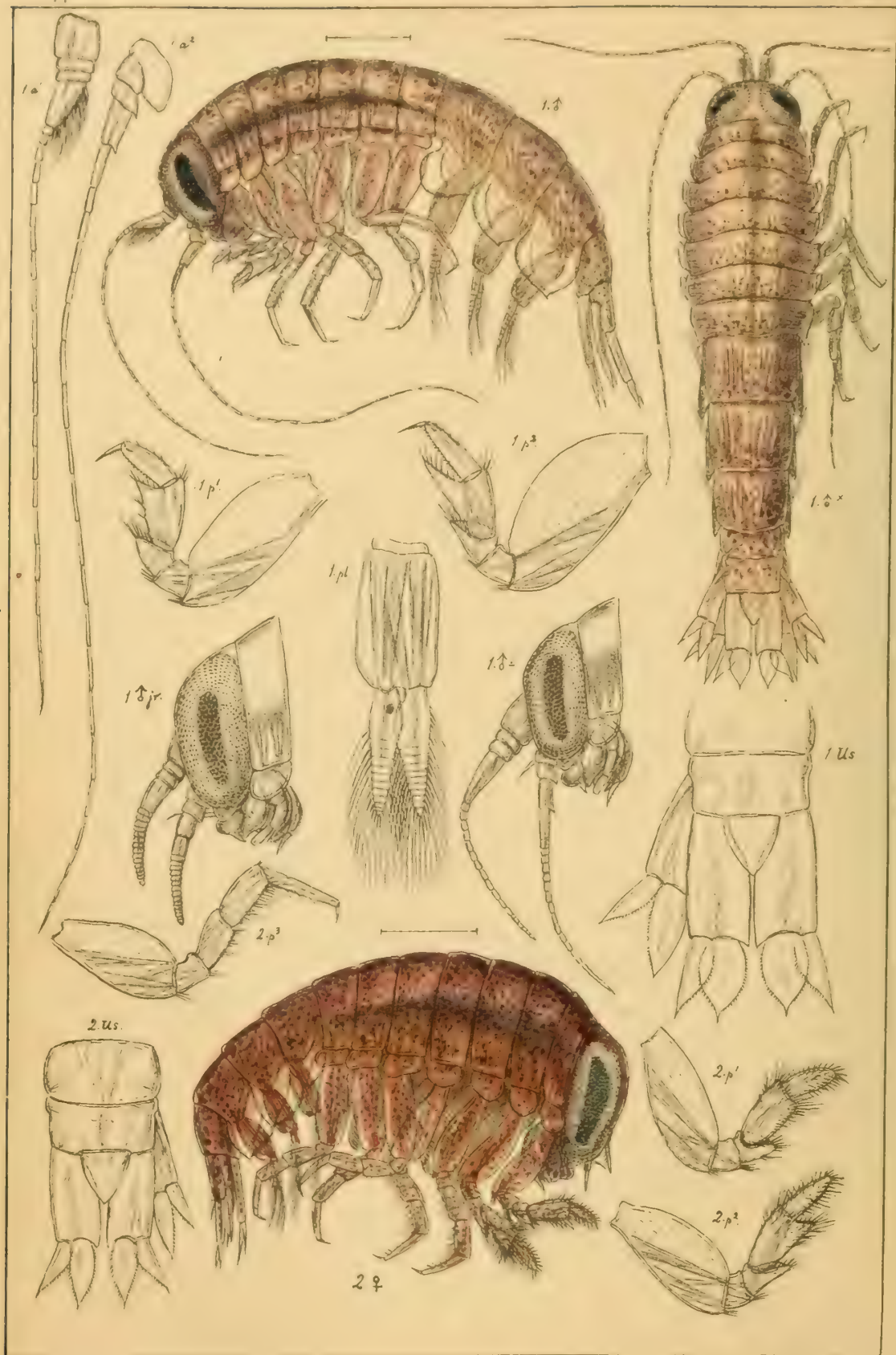
1. *Tritæta gibbosa*, (Sp. Bate) ♂.
2. *Dulichia Normani*, G. O. Sars ♀.
3. *Caprella punctata*, Boeck ♂.



G.O. Sars autogr.

Gammarus locusta, Linné.

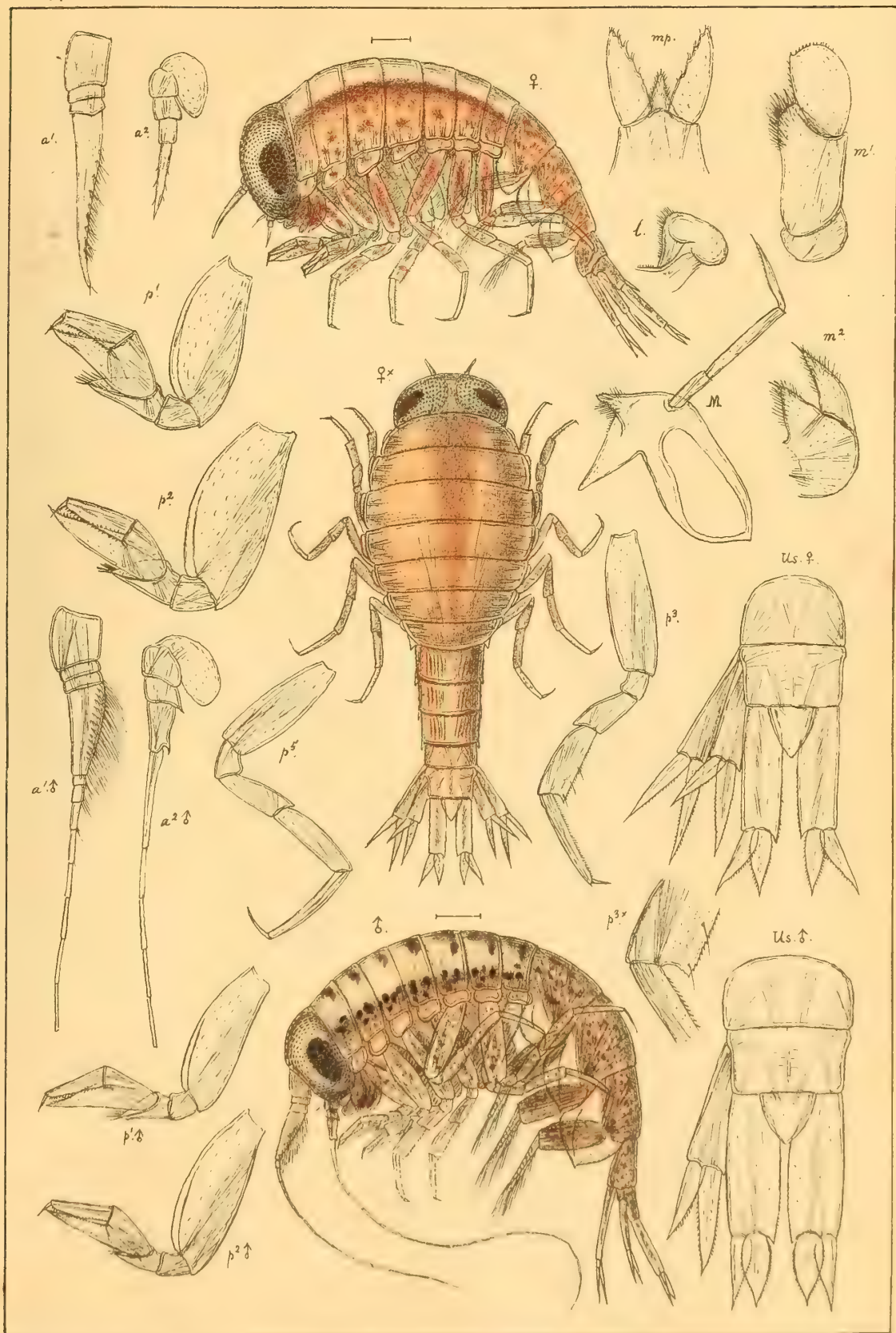


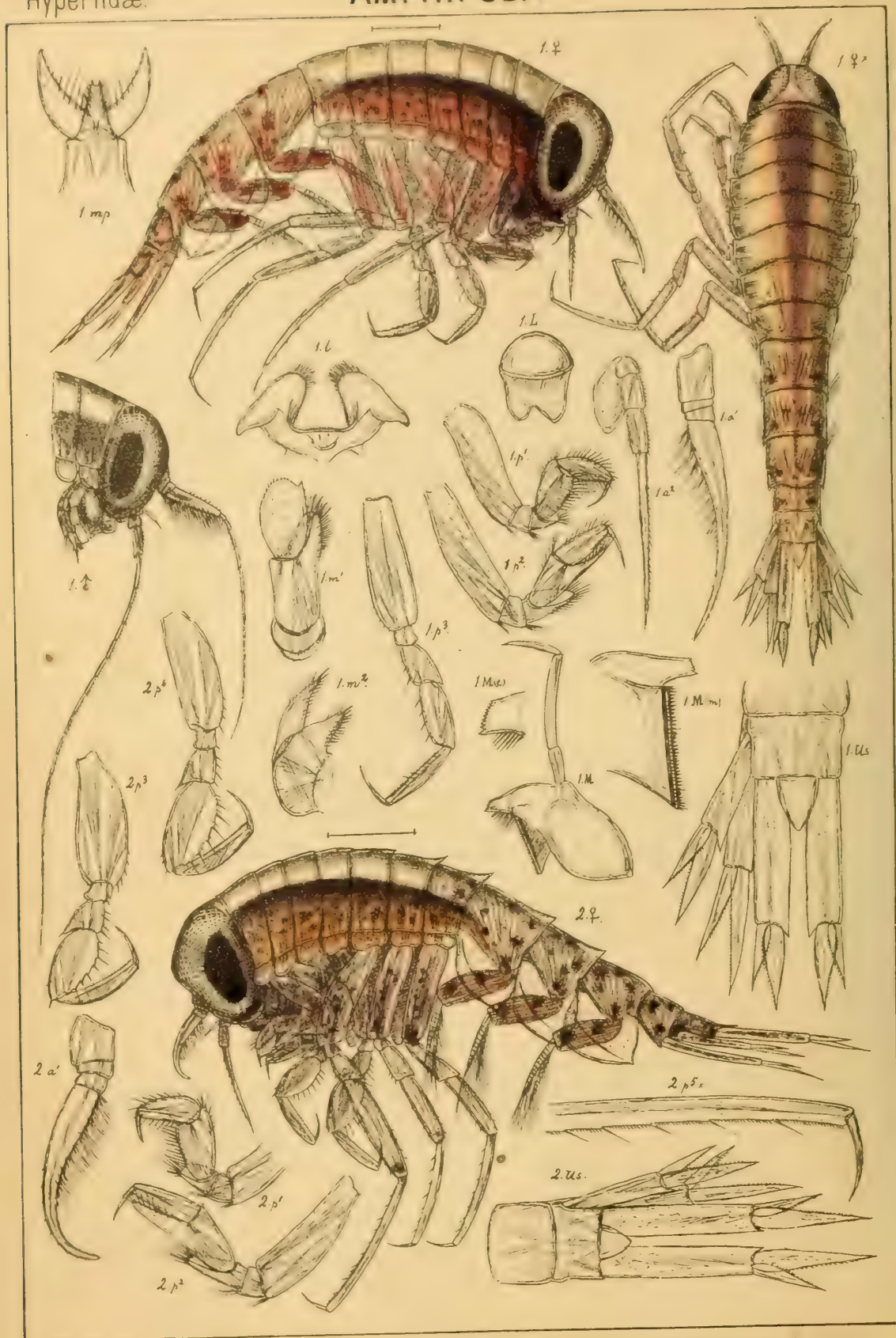


G.O.Sars autogr.

1. *Hyperia galba*, (Mont) ♂.

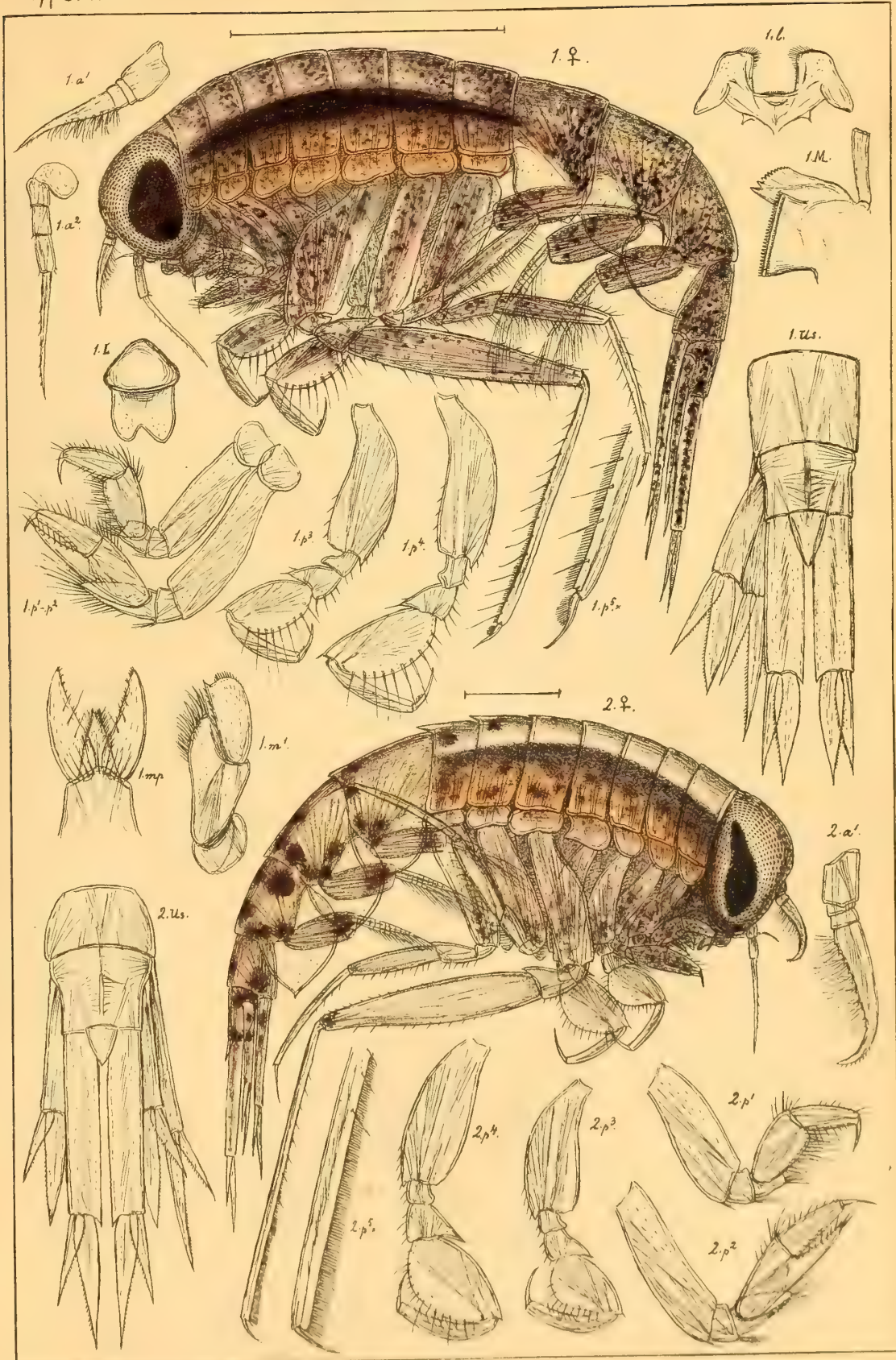
2. *Hyperia medusarum*, (Müll) ♀.





G.O. Sars autogr.

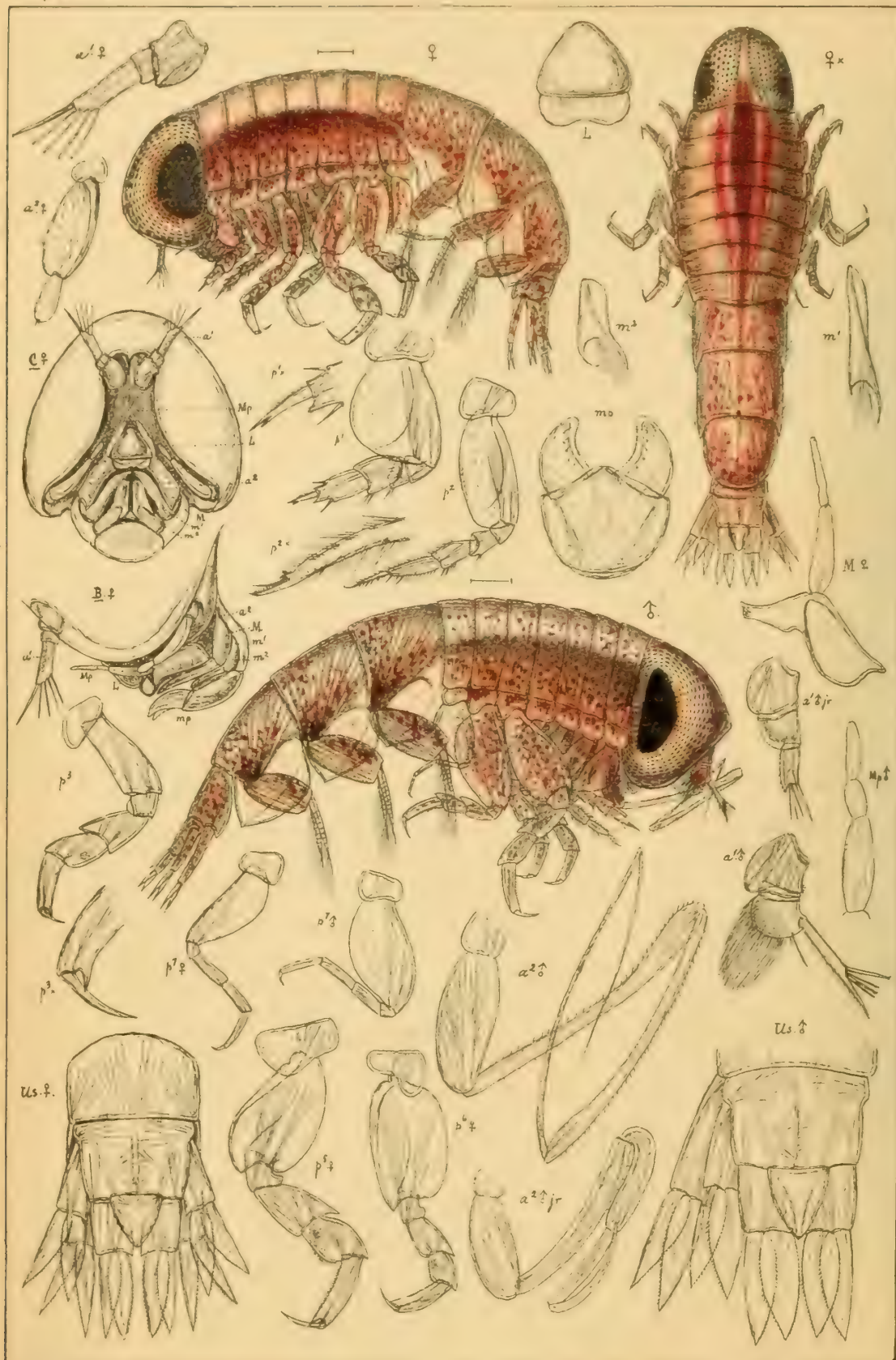
1. *Parathemisto obliqua*, (Kroeyer).2. *Euthemisto compressa*, (Goës).*audistaudis* f. *perro* 200

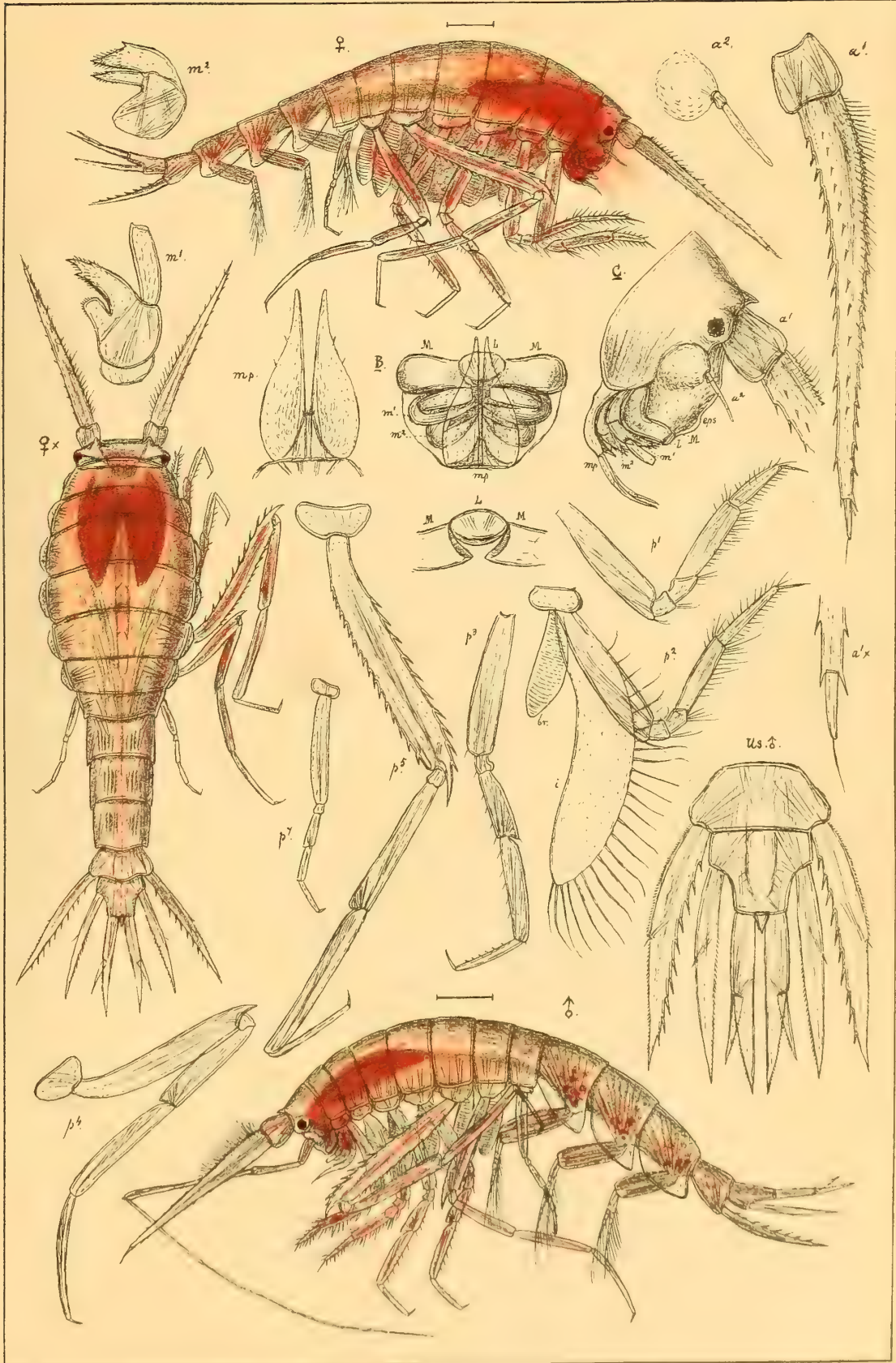


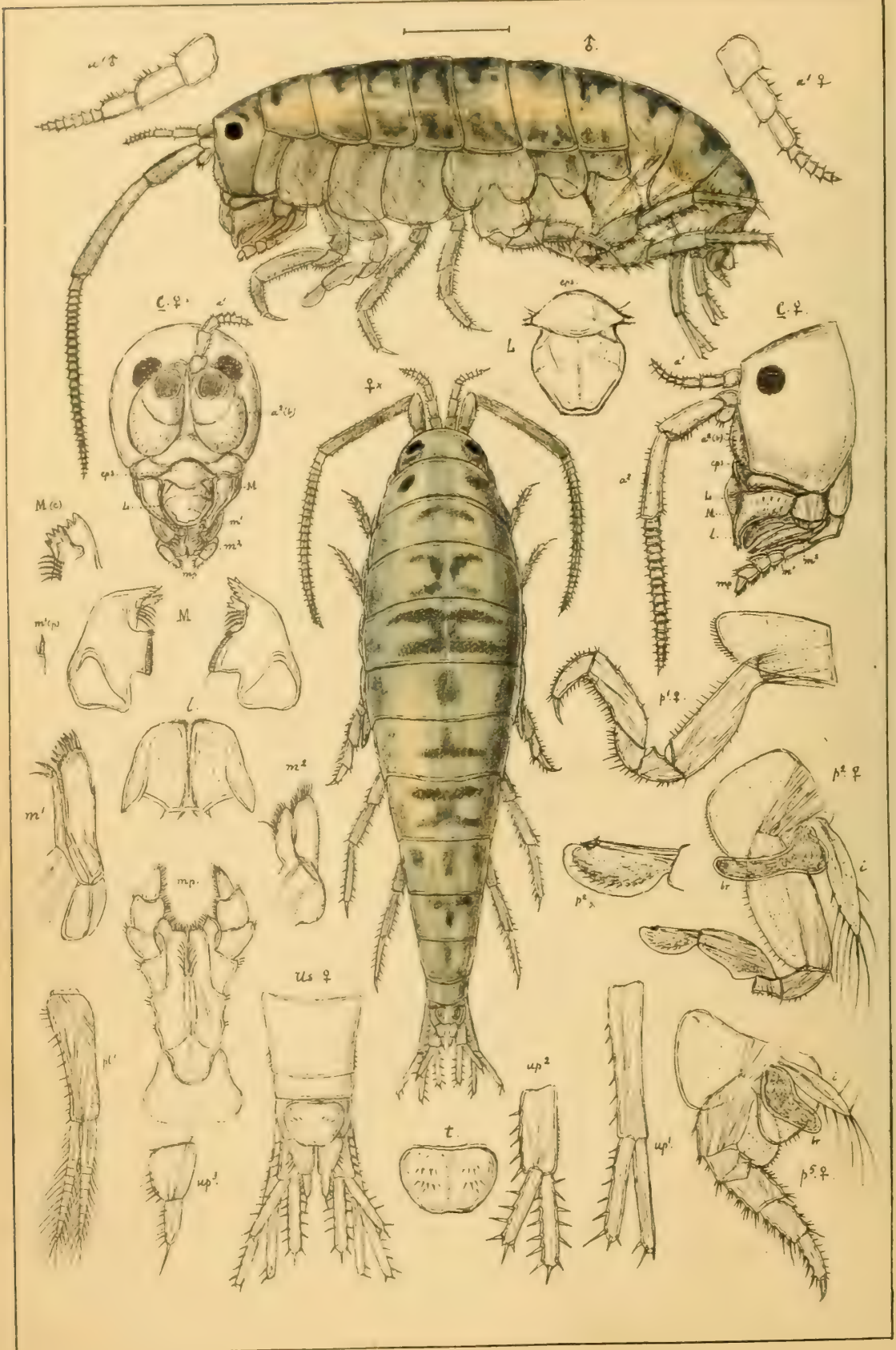
G.O.Sars autoogr.

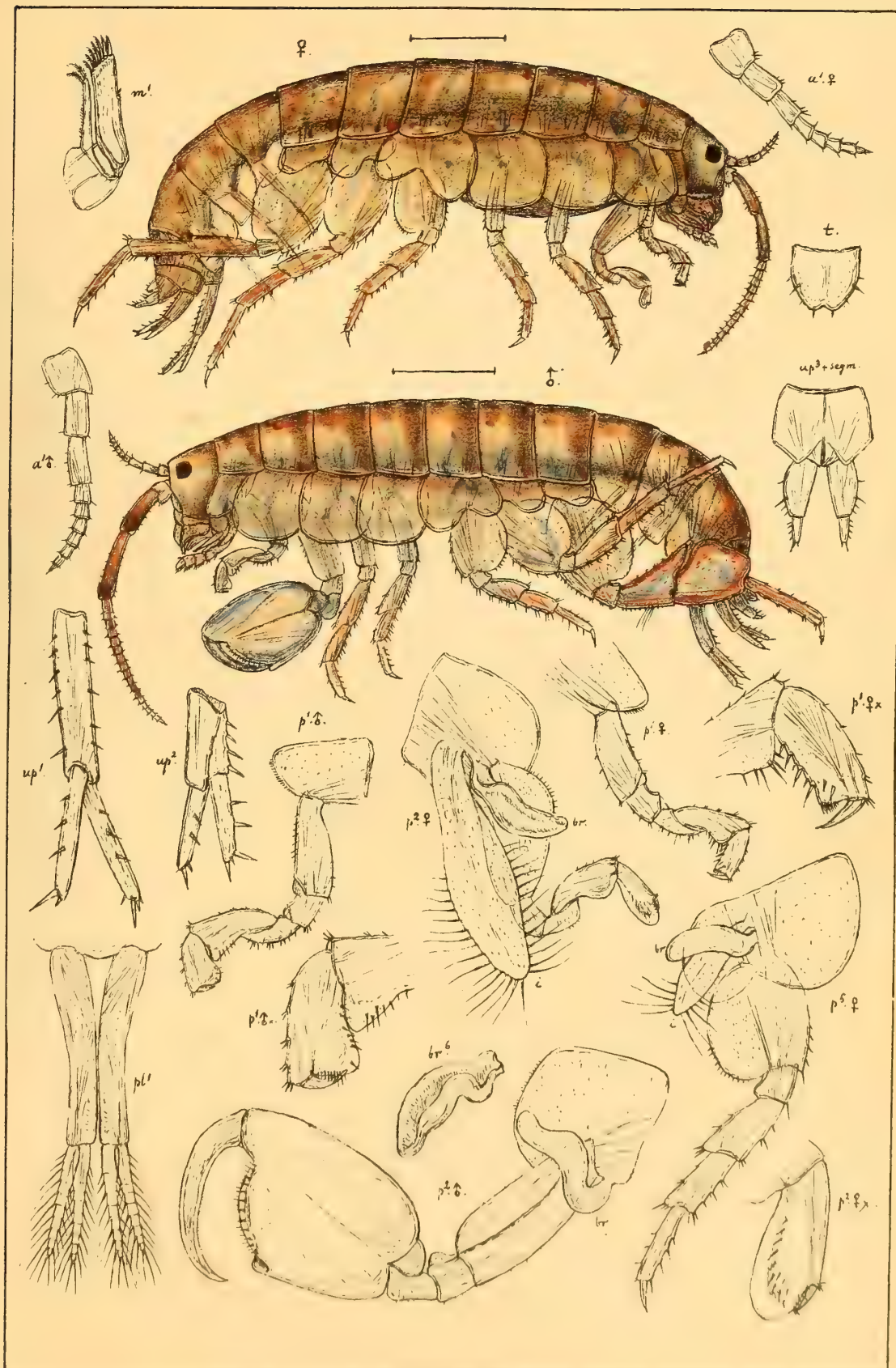
1. *Euthemisto libellula*, (Mandt).

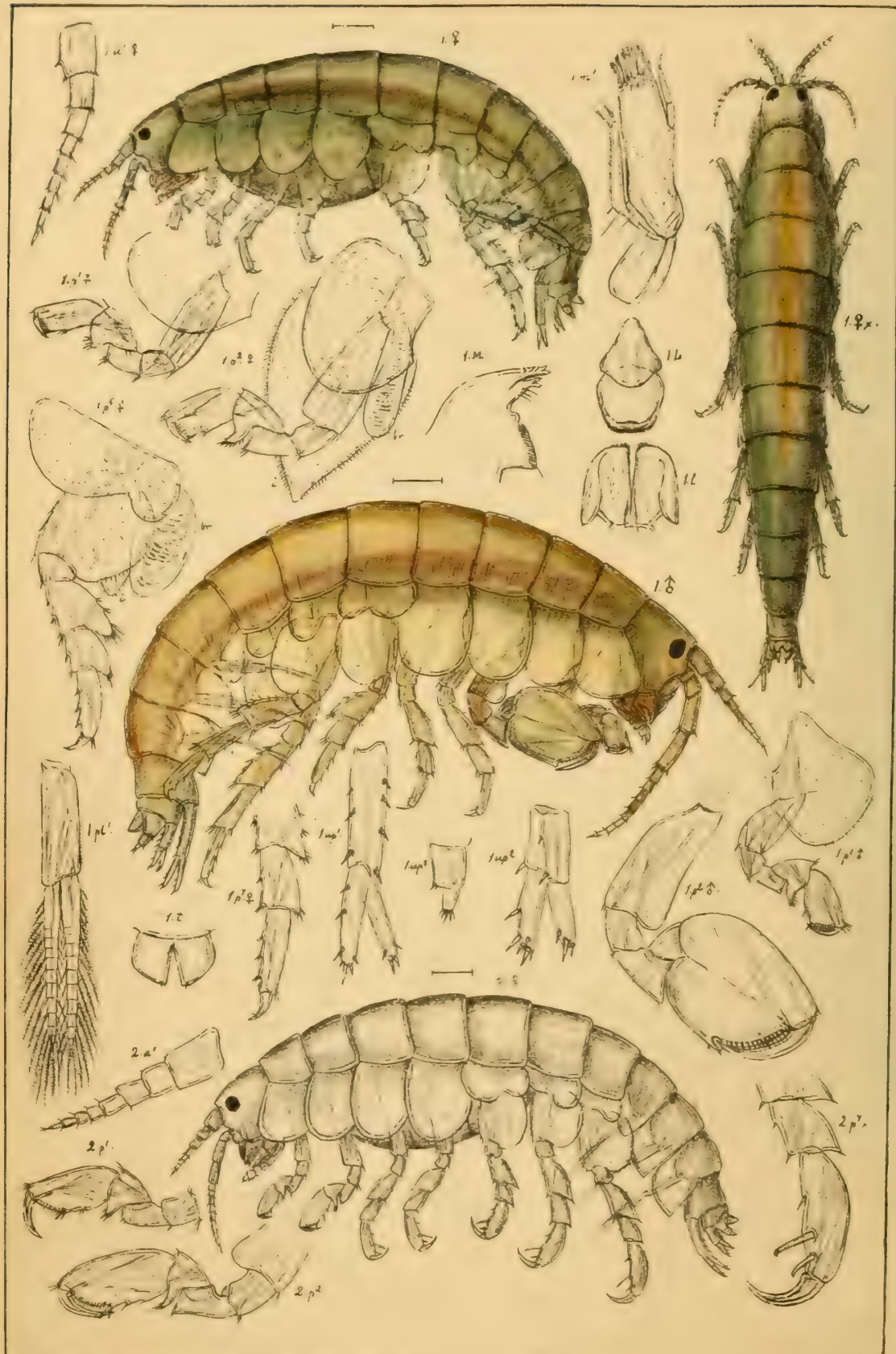
2. *Euthemisto bispinosa*, (Boeck).





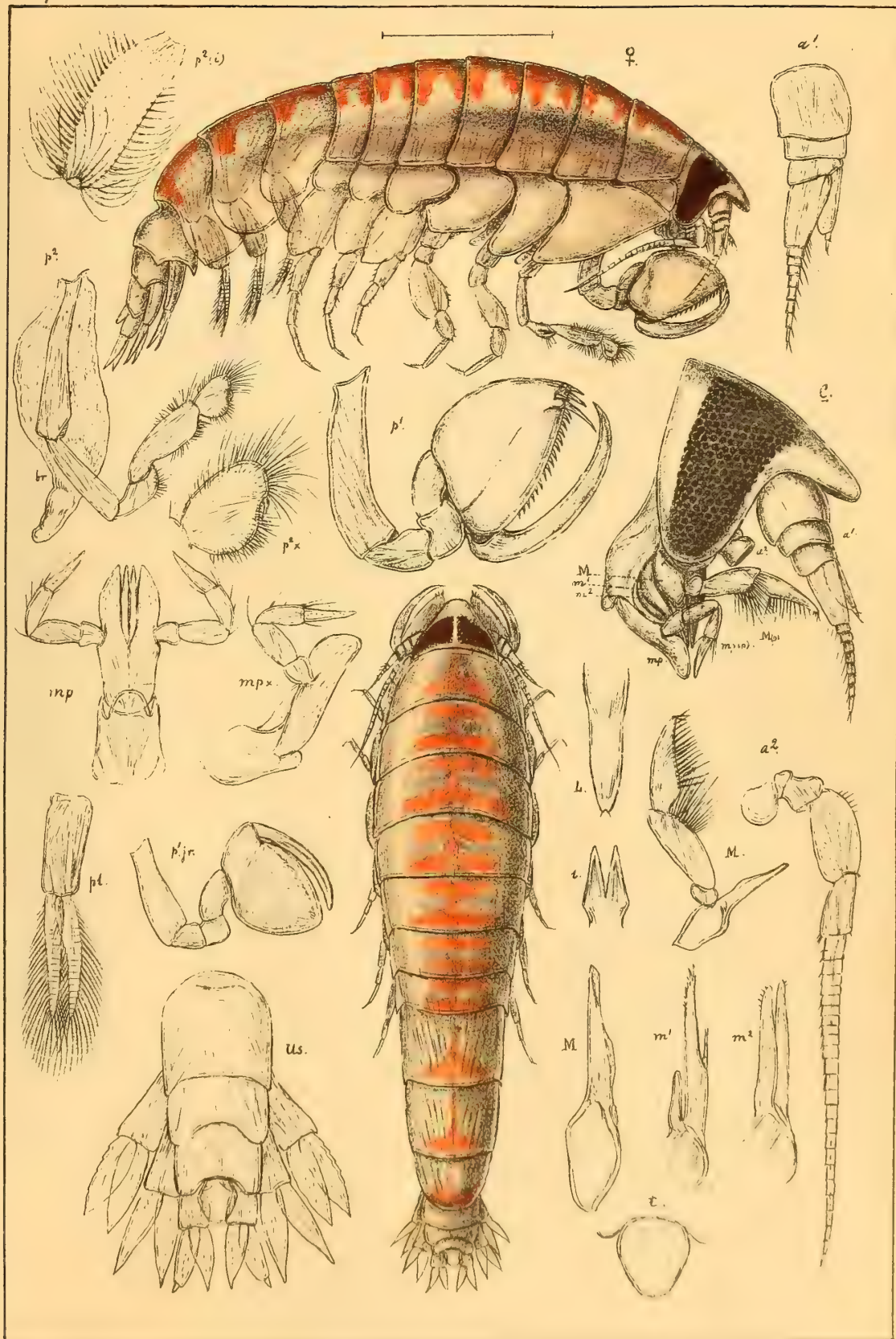


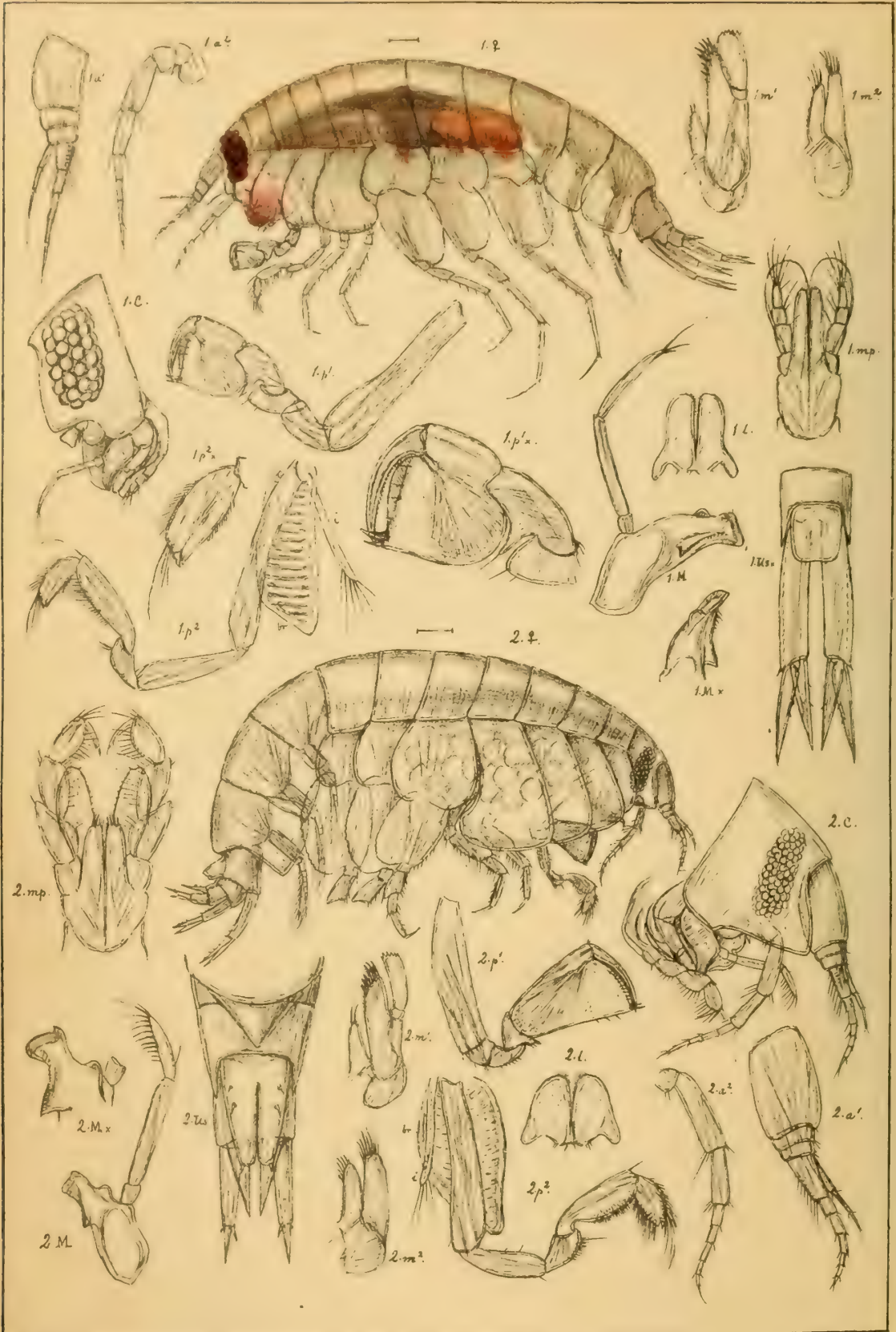




G.O. Sars autogr.

1. *Hyale Nilssoni*, (Rathke).*Hyale lubbockiana*2. *Hyale lubbockiana*, (Sp. Bate).

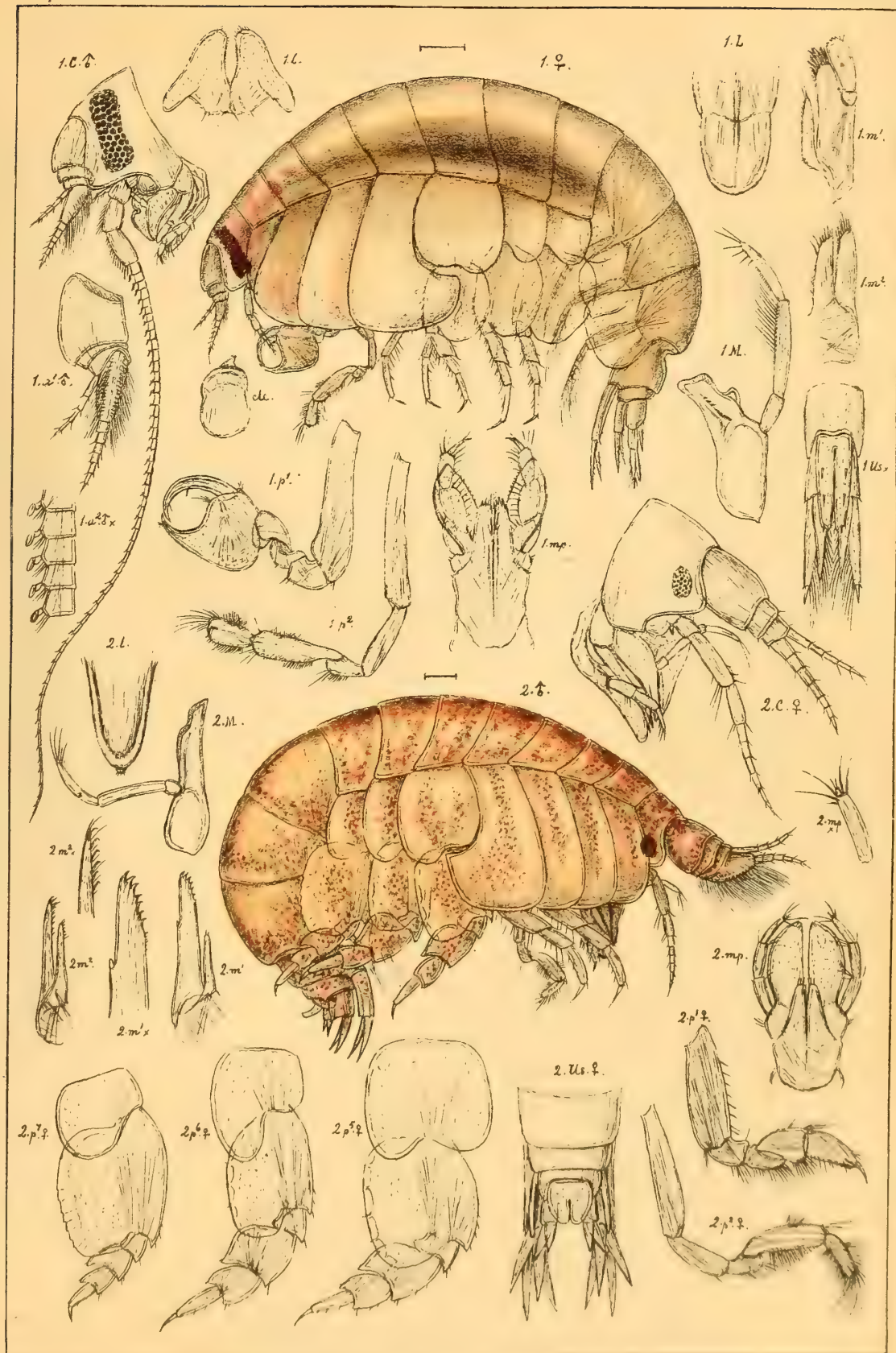




G.O.Sars autogr.

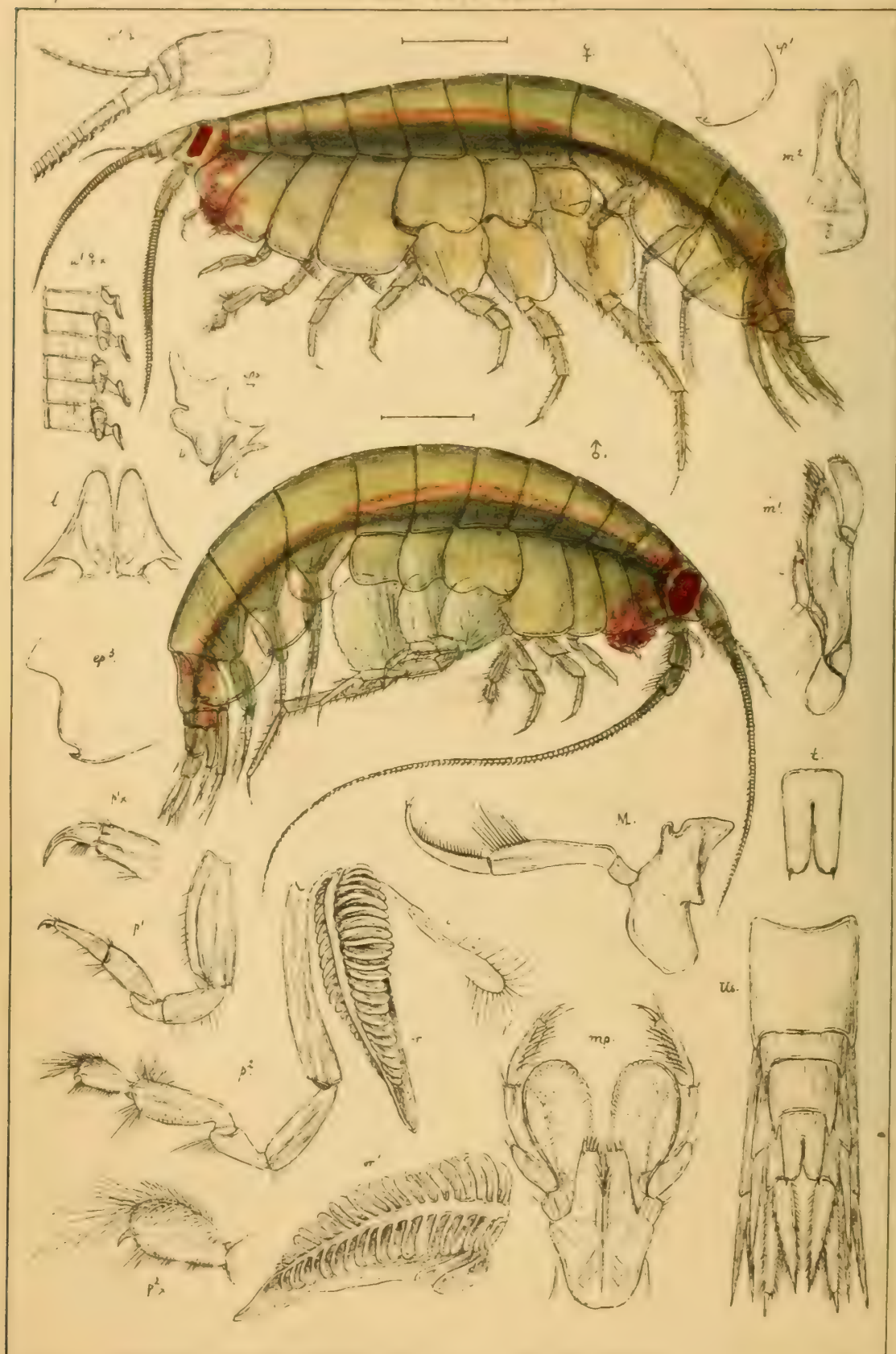
1. *Normania quadrimana*, Sp. Bate.

2. *Cheiromedon latimanus*, G.O.Sars.



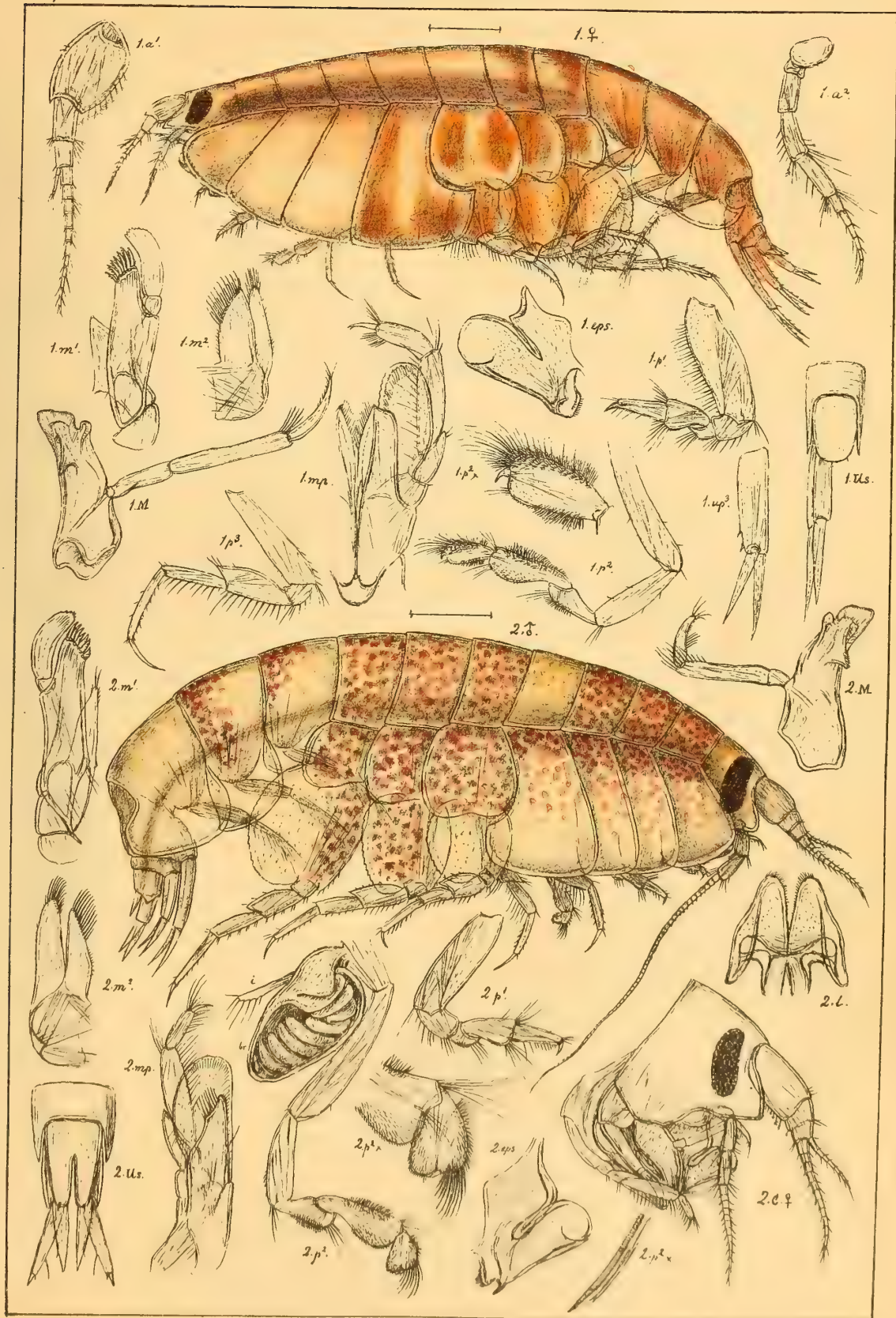
G.O.Sars autogr.

1. *Opisa Eschrichti*, Kröyer.2. *Acidostoma obesum*, (Sp. Bate.)



G.O. Sars autogr.

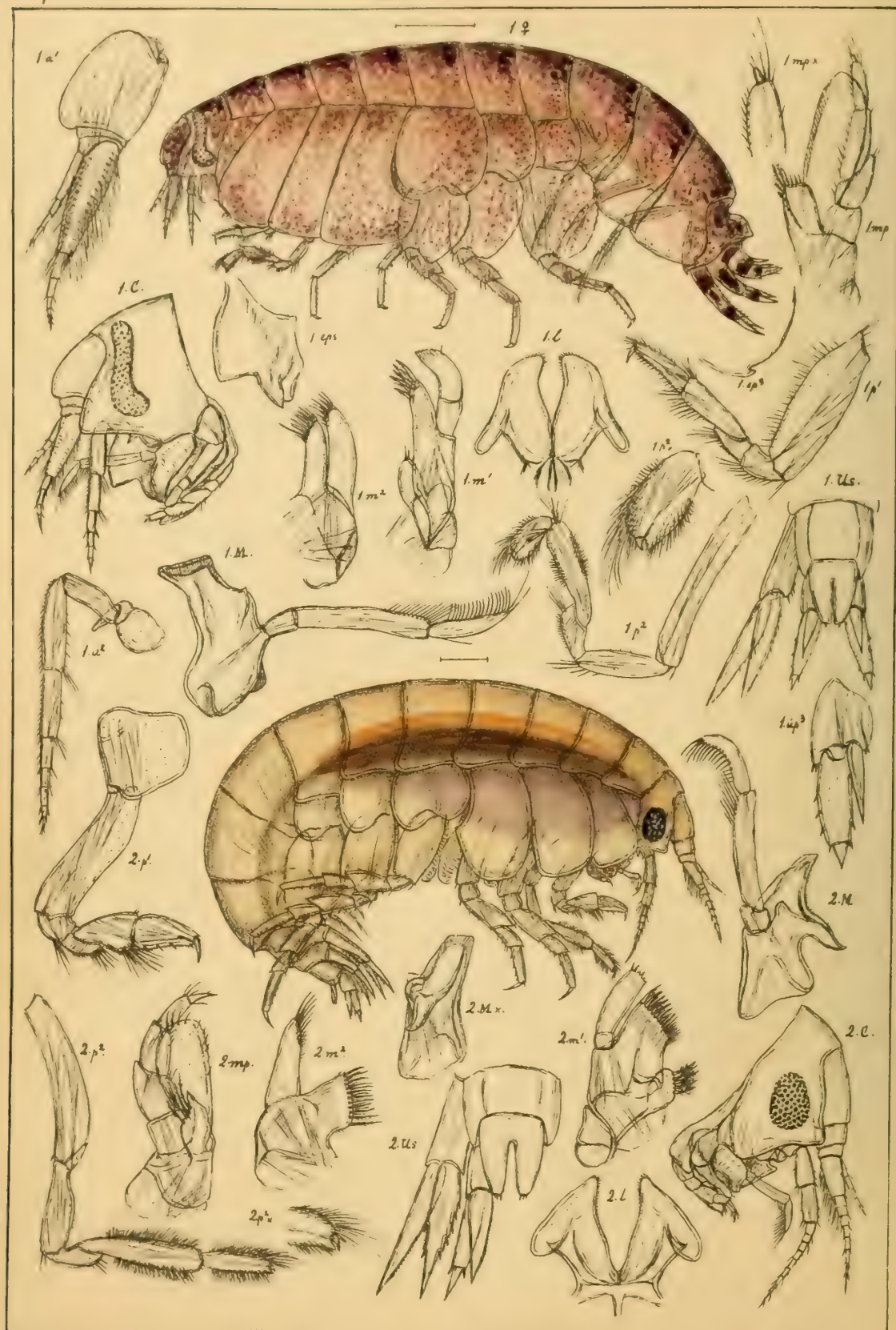
Ichnopus spinicornis, Boeck.



G.O. Sars autogr.

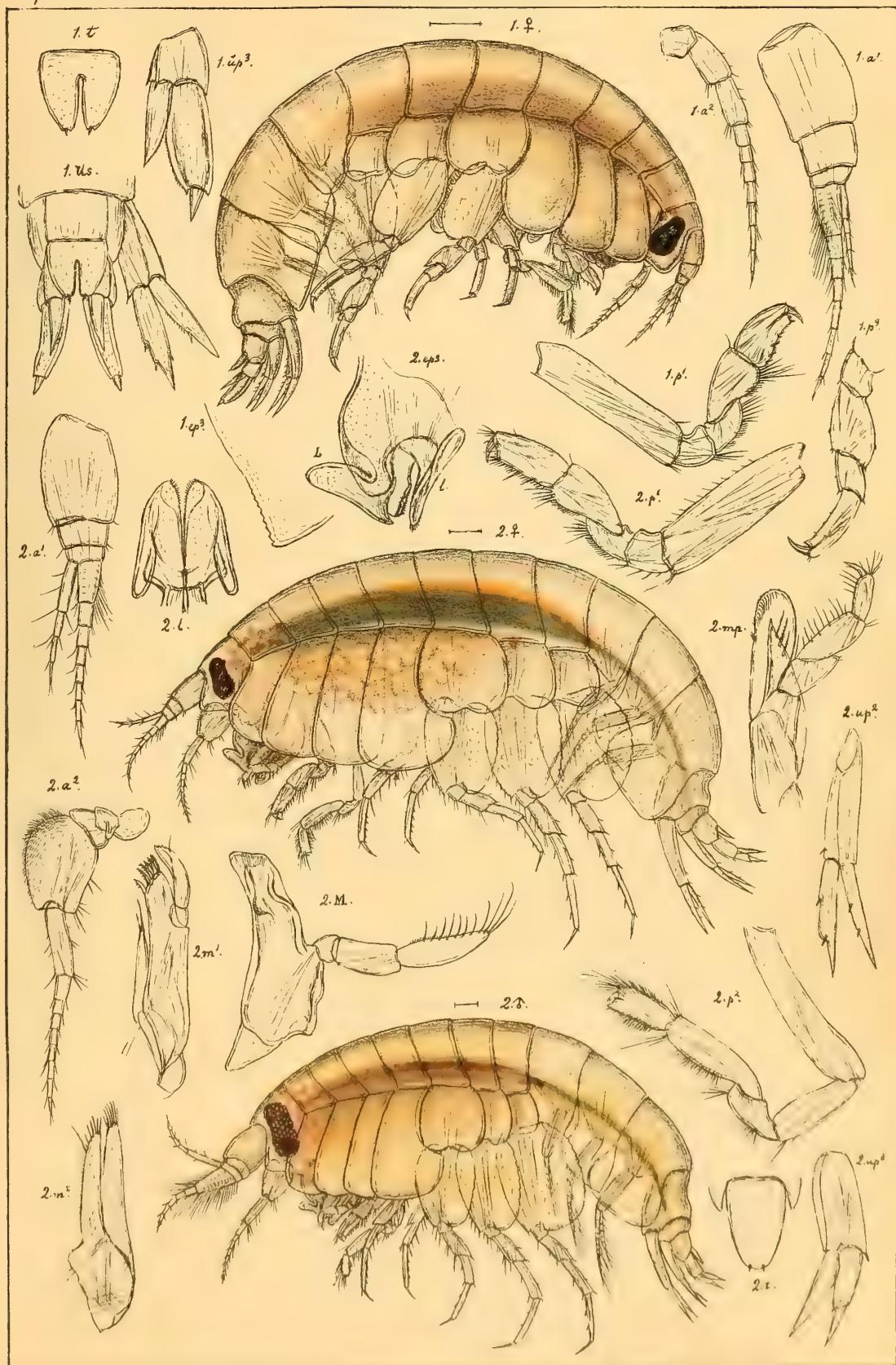
1. *Lysianassa Costæ*, M. Edw.

2. *Socarnes Vahli*, (Kröyer)



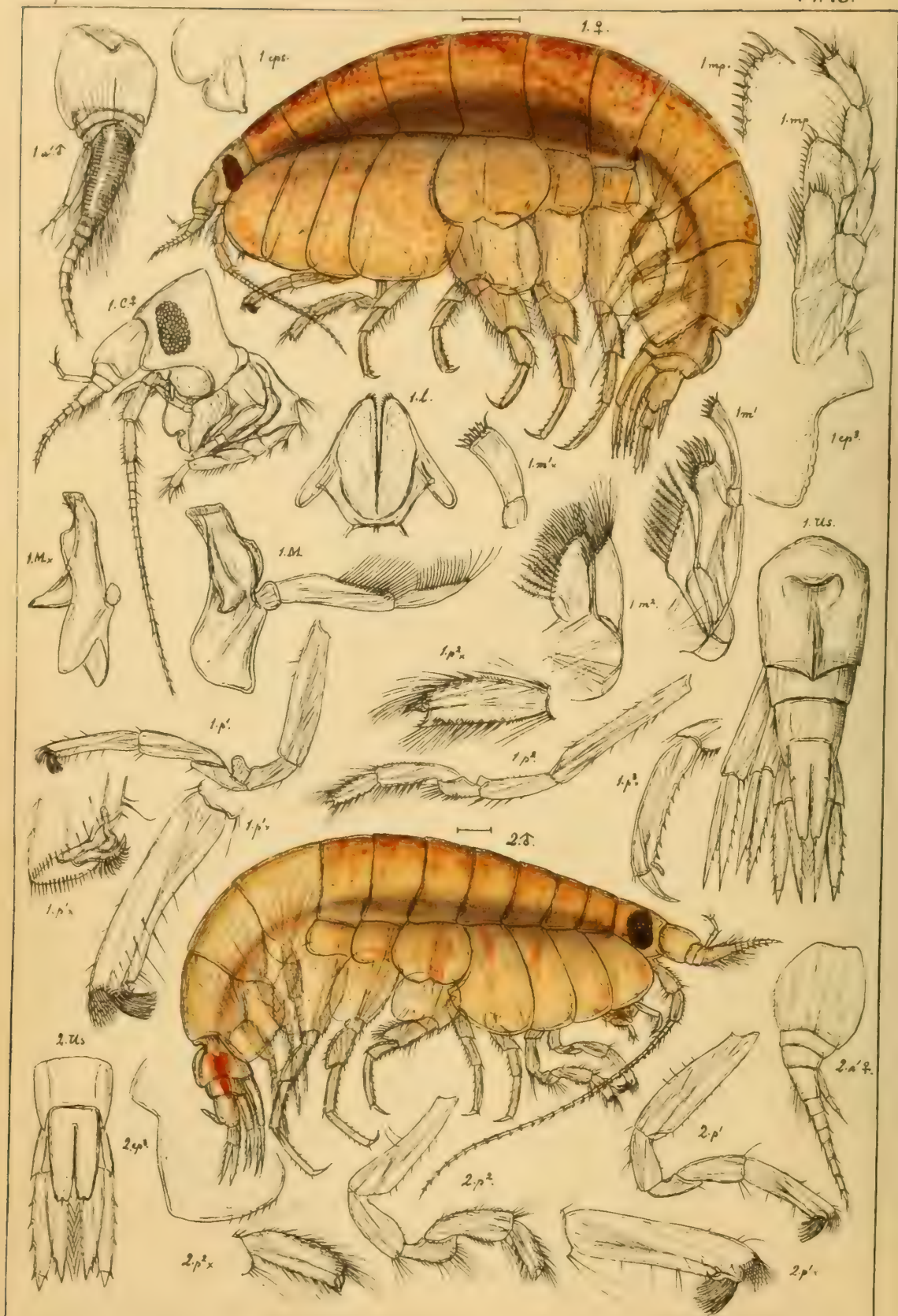
G.O.Sars autogr.

1. *Ambasia danielsseni*, Boeck.
2. *Aristias audouinianus*, (Sp. Bate).



G.O.Sars autogr.

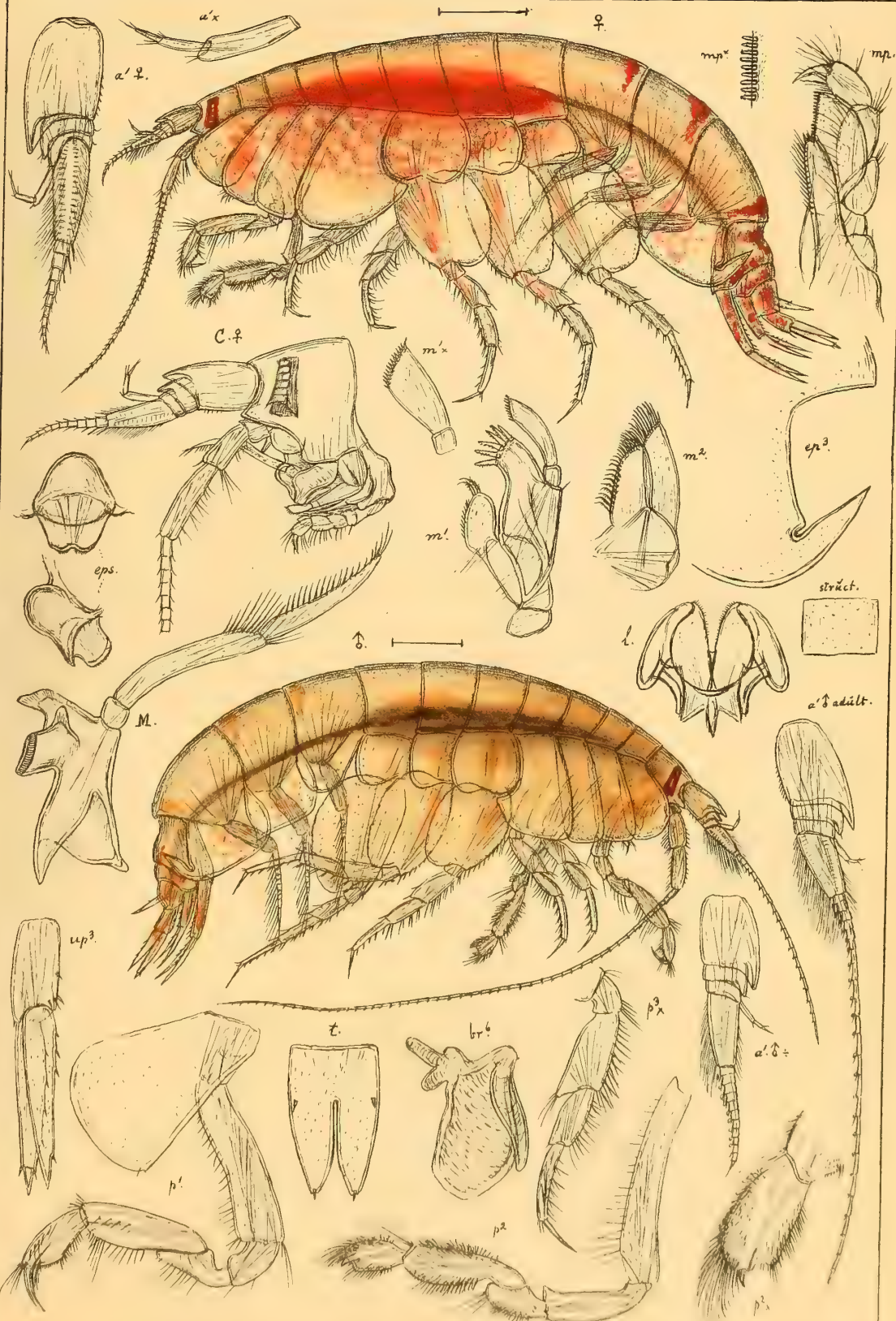
1. *Aristias tumidus*, (Kröyer).2. *Lysianella petalocera*, G.O.Sars.

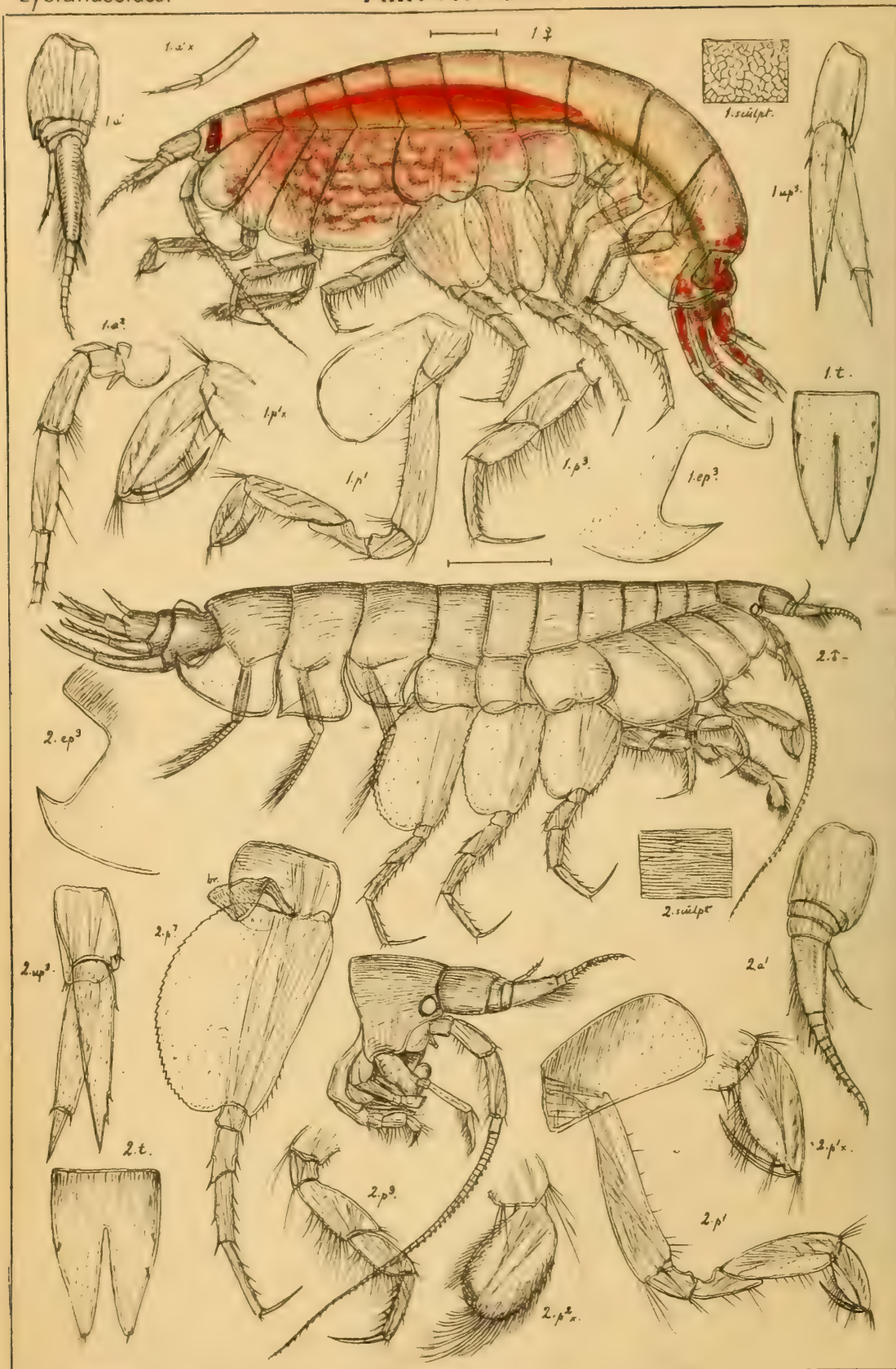


G.O.Sars autogr.

1. *Callisoma crenata*, Sp. Bate.

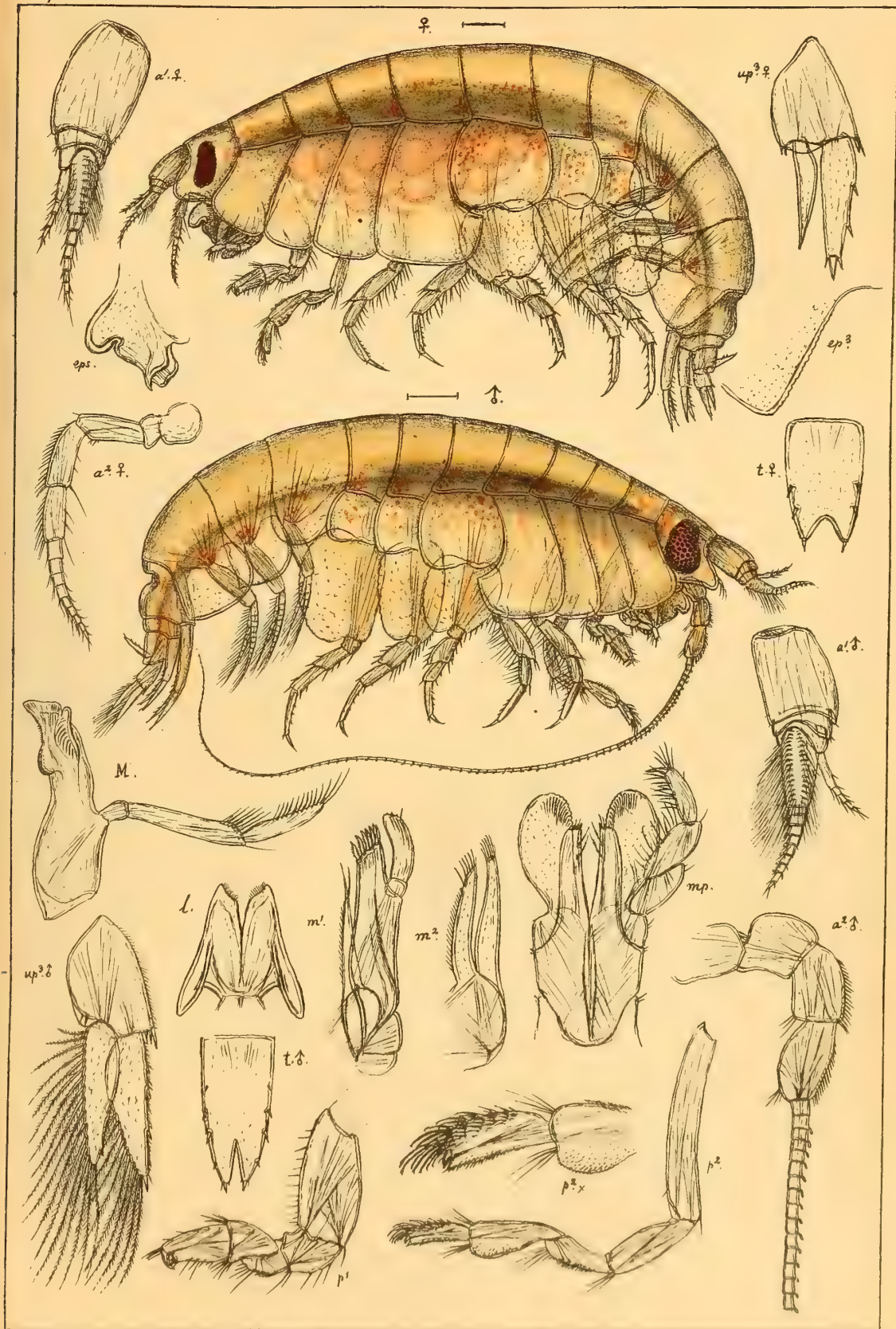
2. *Callisoma Kröyeri*, (Bruzelius). *S. hopei* (Sars)

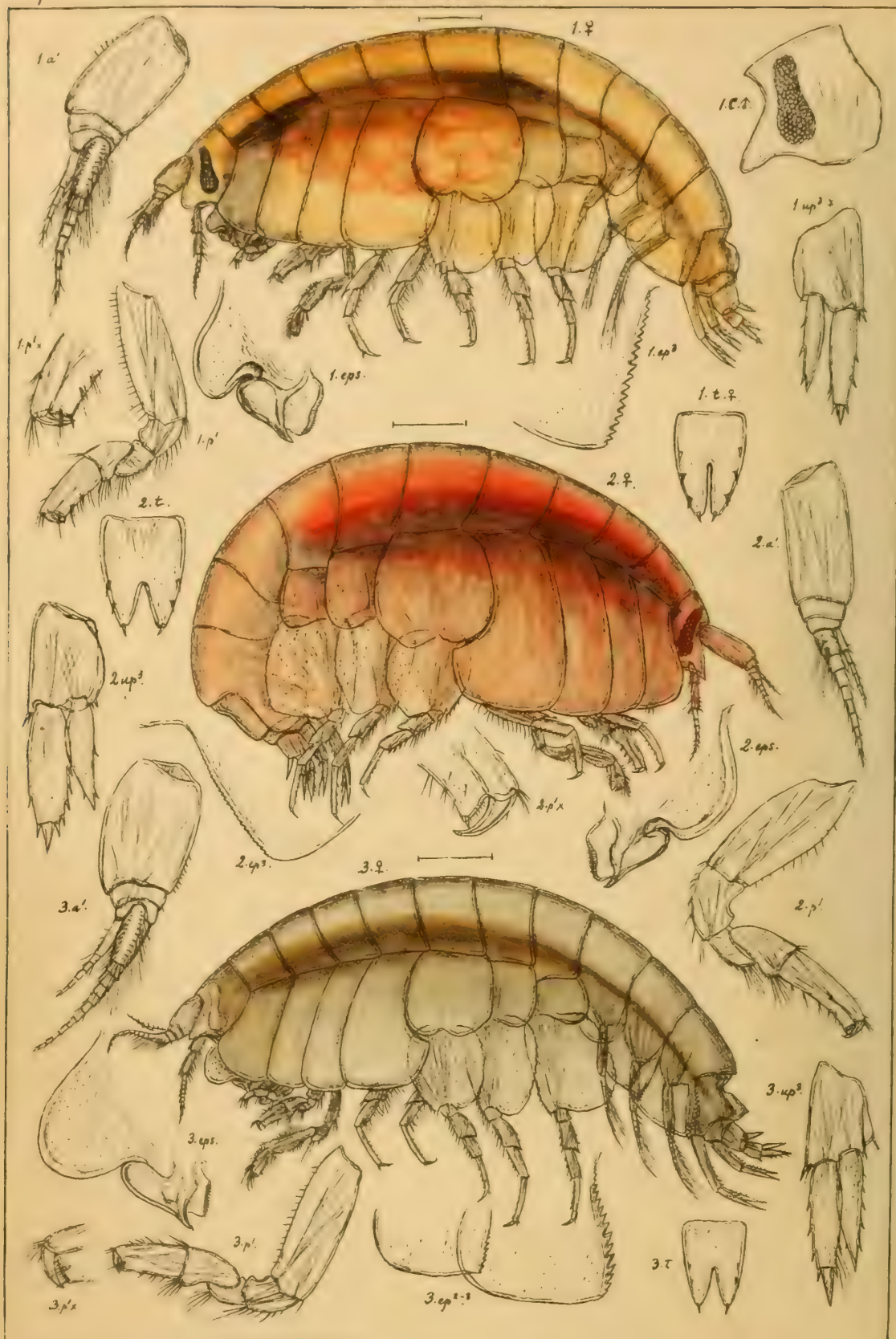




G.O.Sars autogr.

1. *Hippomedon propinquus*, G.O.Sars.
2. *Hippomedon Holbölli*, (Kröyer).



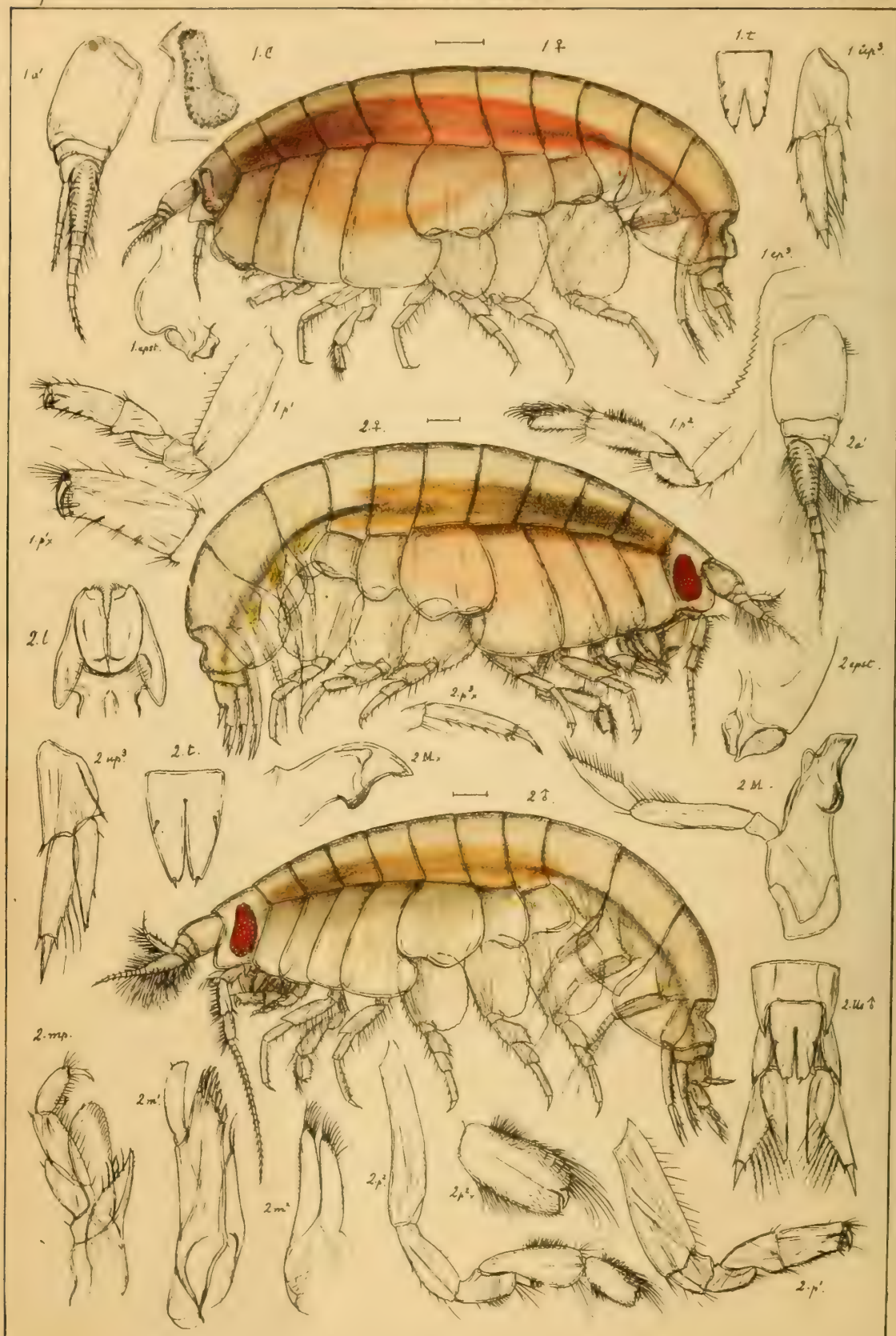


G.O. Sars autogr.

1. *Orchomene serratus*, Boeck.

2. *Orchomene crispatus*, (Goës).

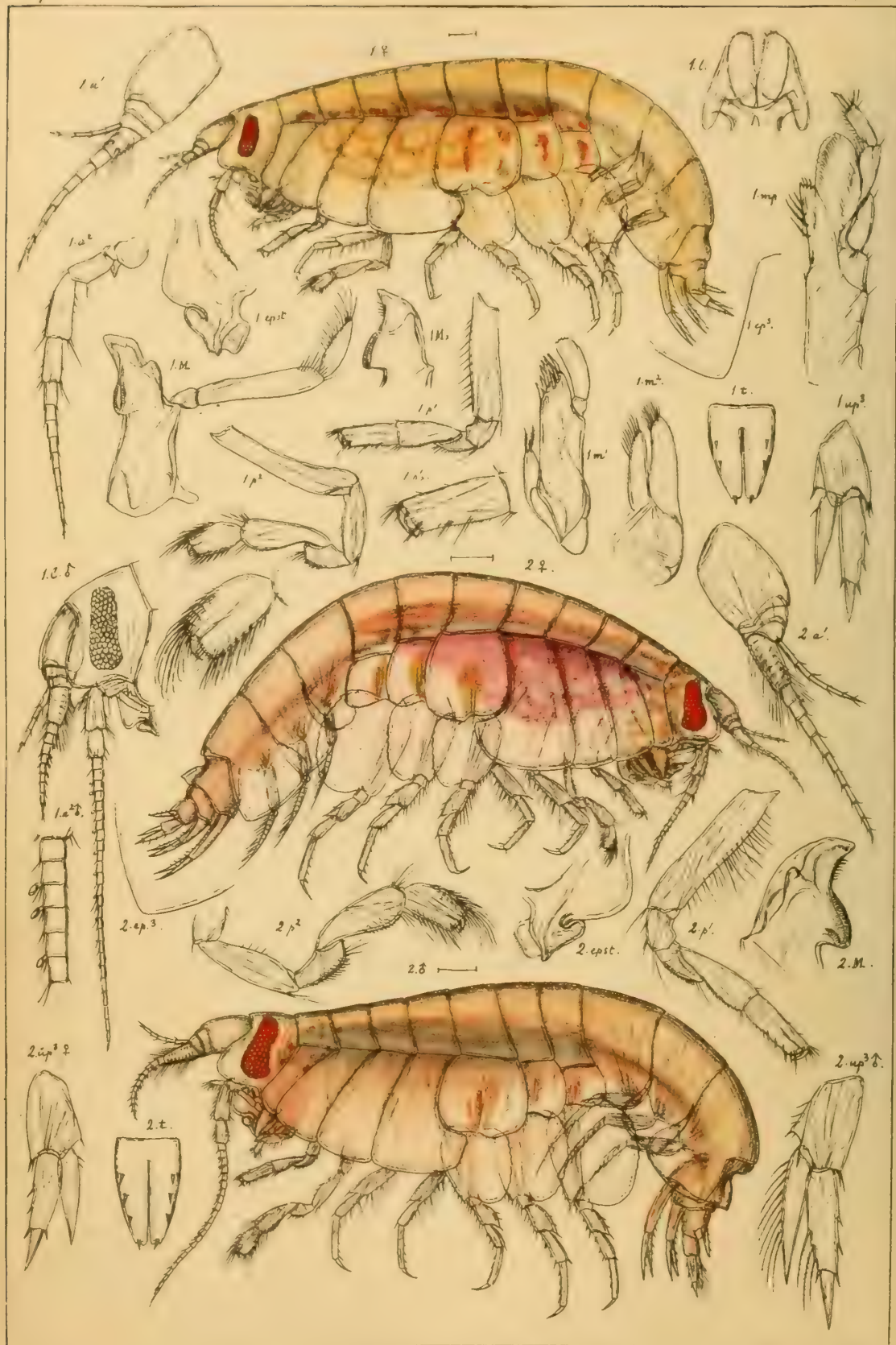
3. *Orchomene* *pectinatus*, G.O.Sars.



G.O.Sars autogr.

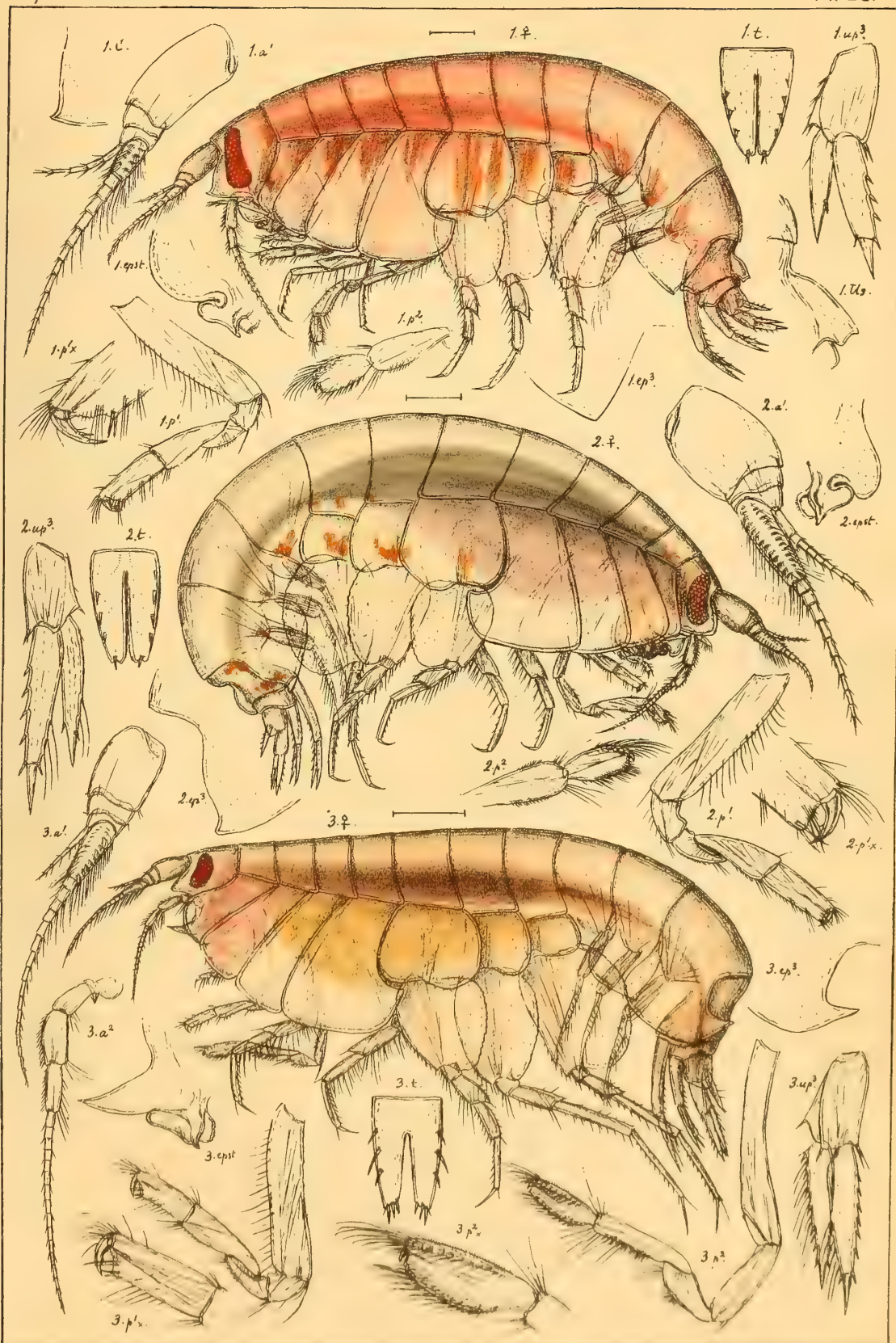
1. *Orchomene amblyops*, n.sp.

2. *Orhomenella ciliata*, G.O.Sars 7-6-1902 (L.)



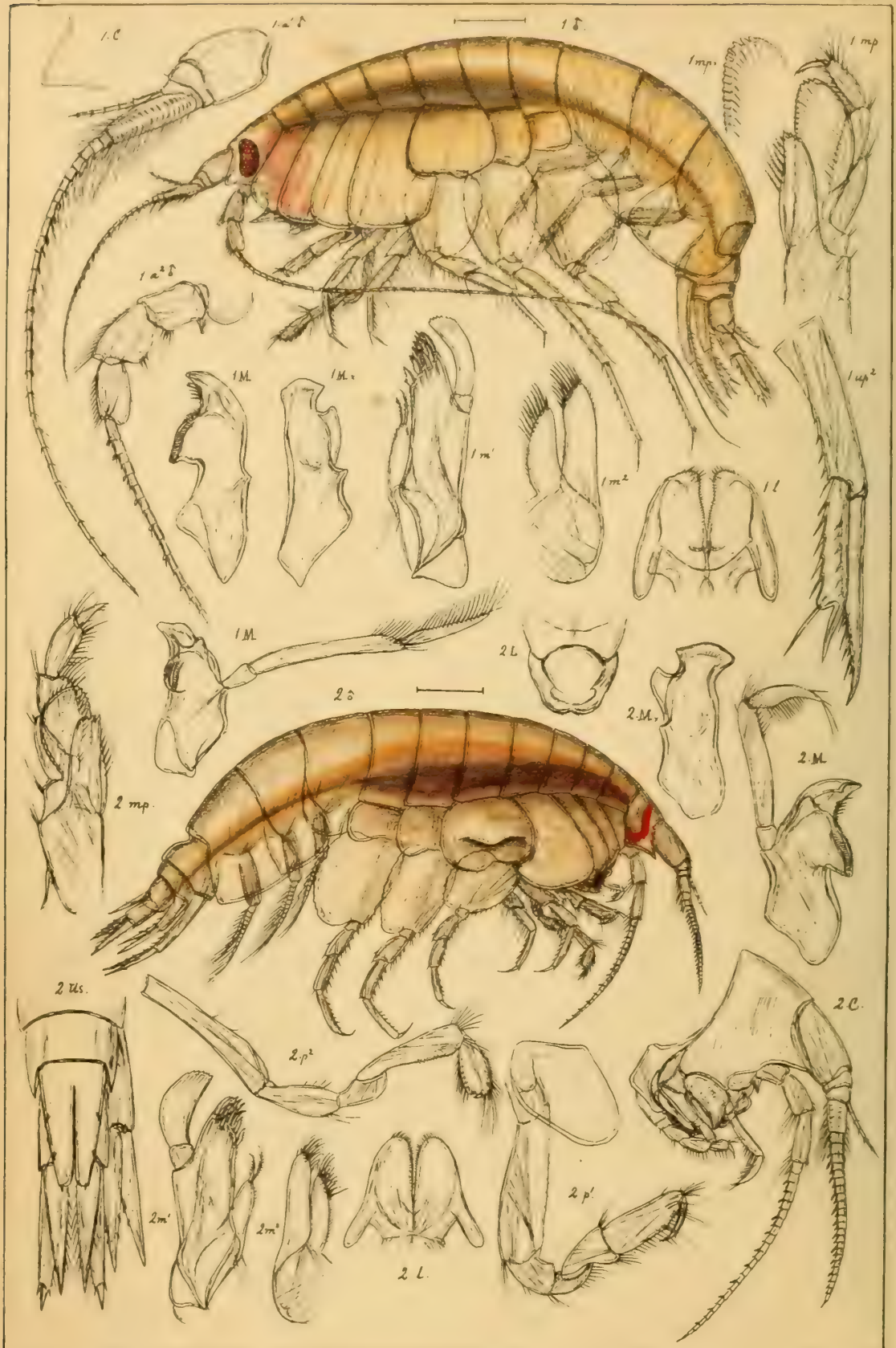
G.O. Sars autogr.

1. *Tryphosa nana*, (Kroyer).2. *Tryphosa Höringii*, Boeck.



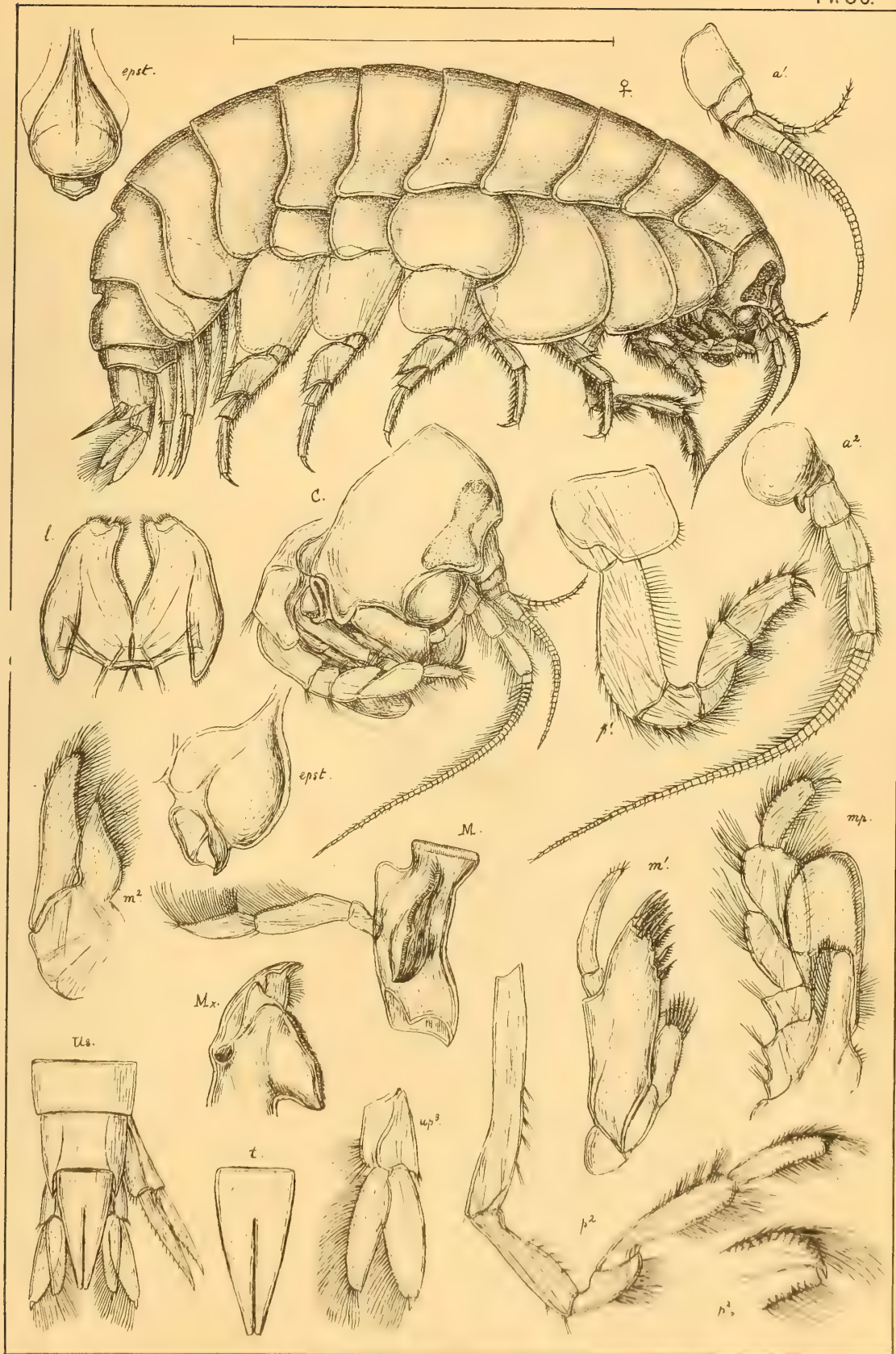
G.O.Sars autogr.

1. *Tryphosa angulata*, n.sp.
2. *Tryphosa nanoides*, (Lilljeborg).
3. *Tryphosites longipes*, (Sp. Bale).



G.O.Sars autogr.

1. *Tryphosites longipes*, (Sp. Bate).2. *Pseudotryphosa umbonata*, G.O.Sars.



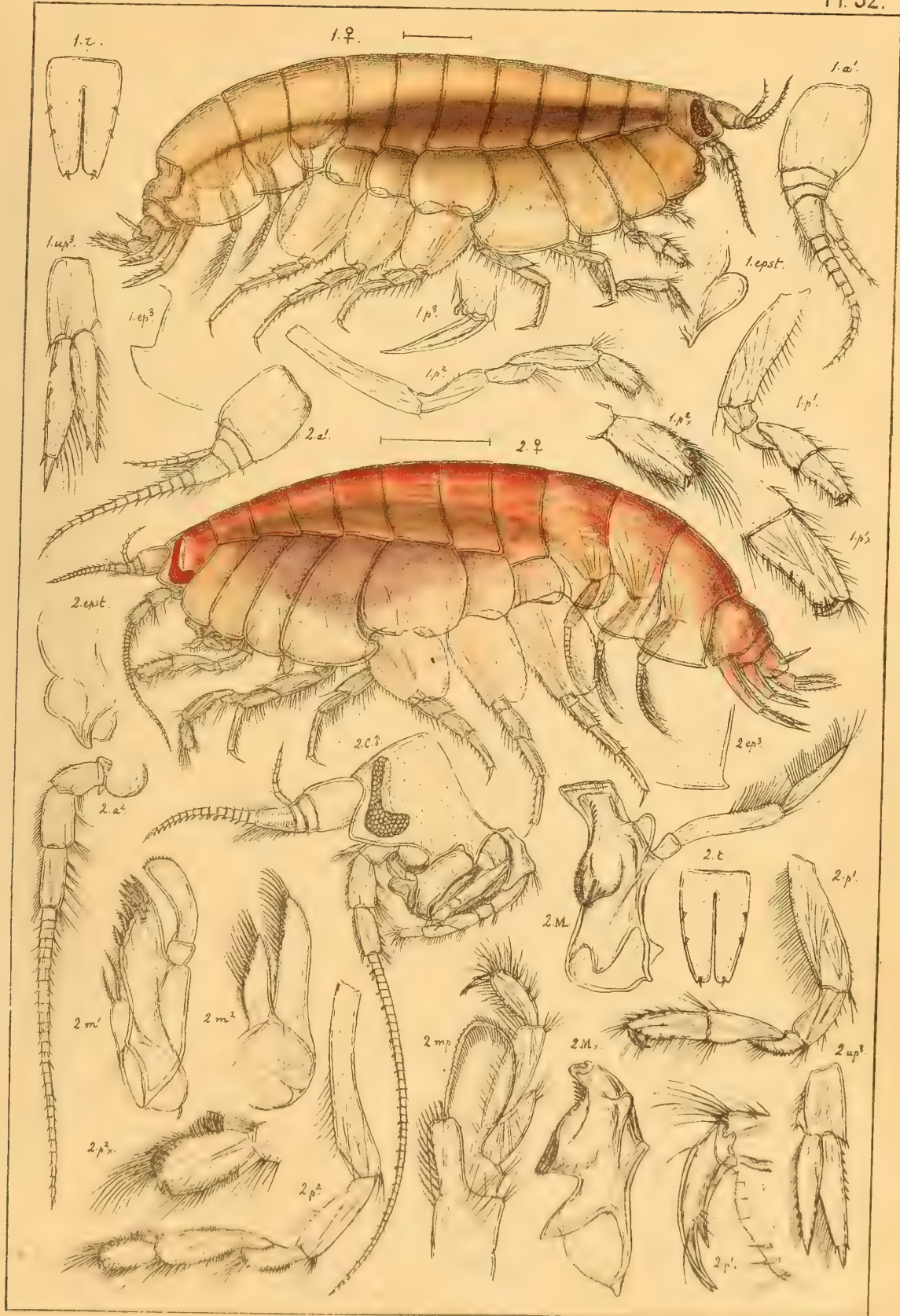
G.O.Sars autogr.

Eurytenes gryllus, (Mandt). (



G.O. Sars autogr.

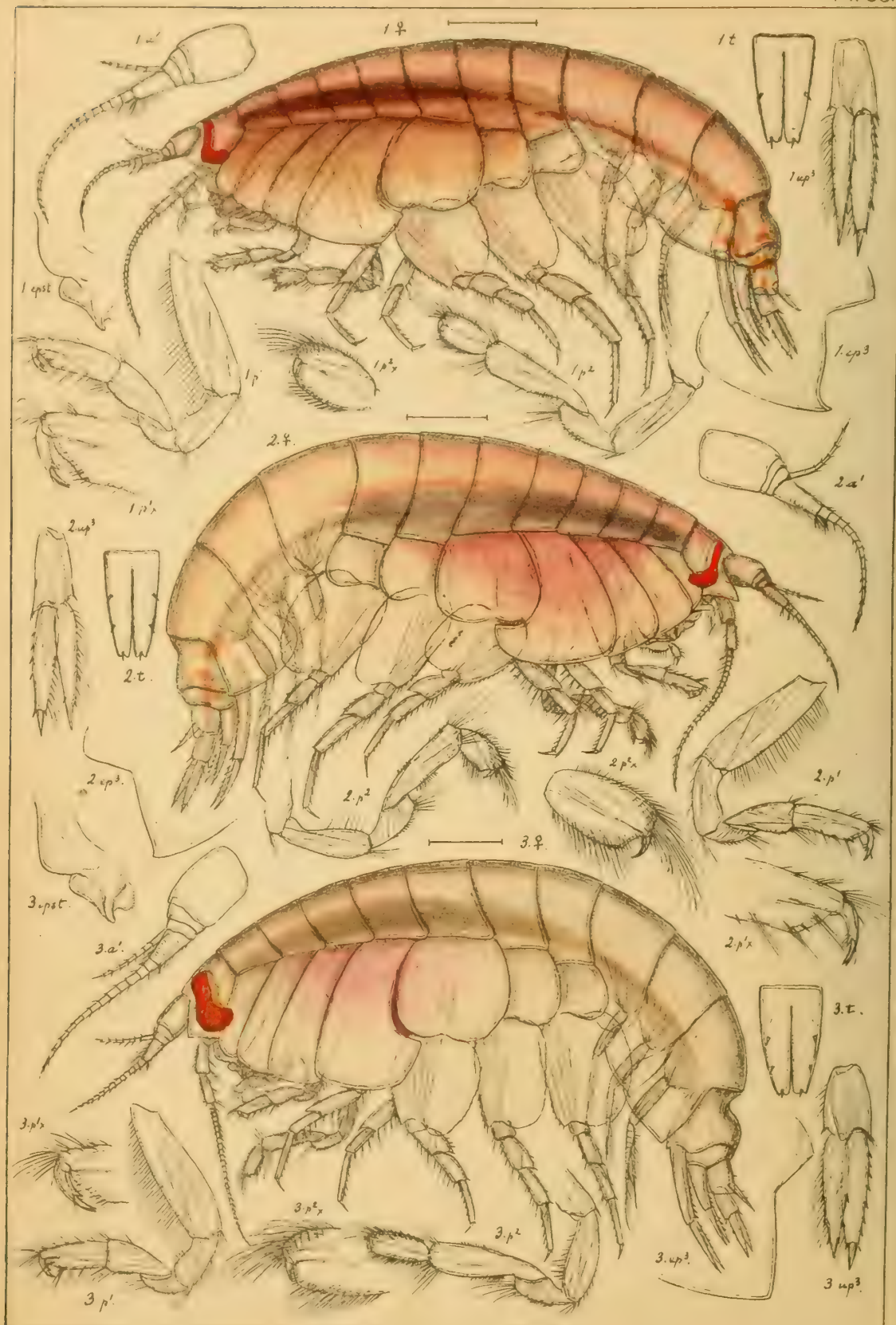
Anonyx nugax, (Phipps).



G.O. Sars autogr.

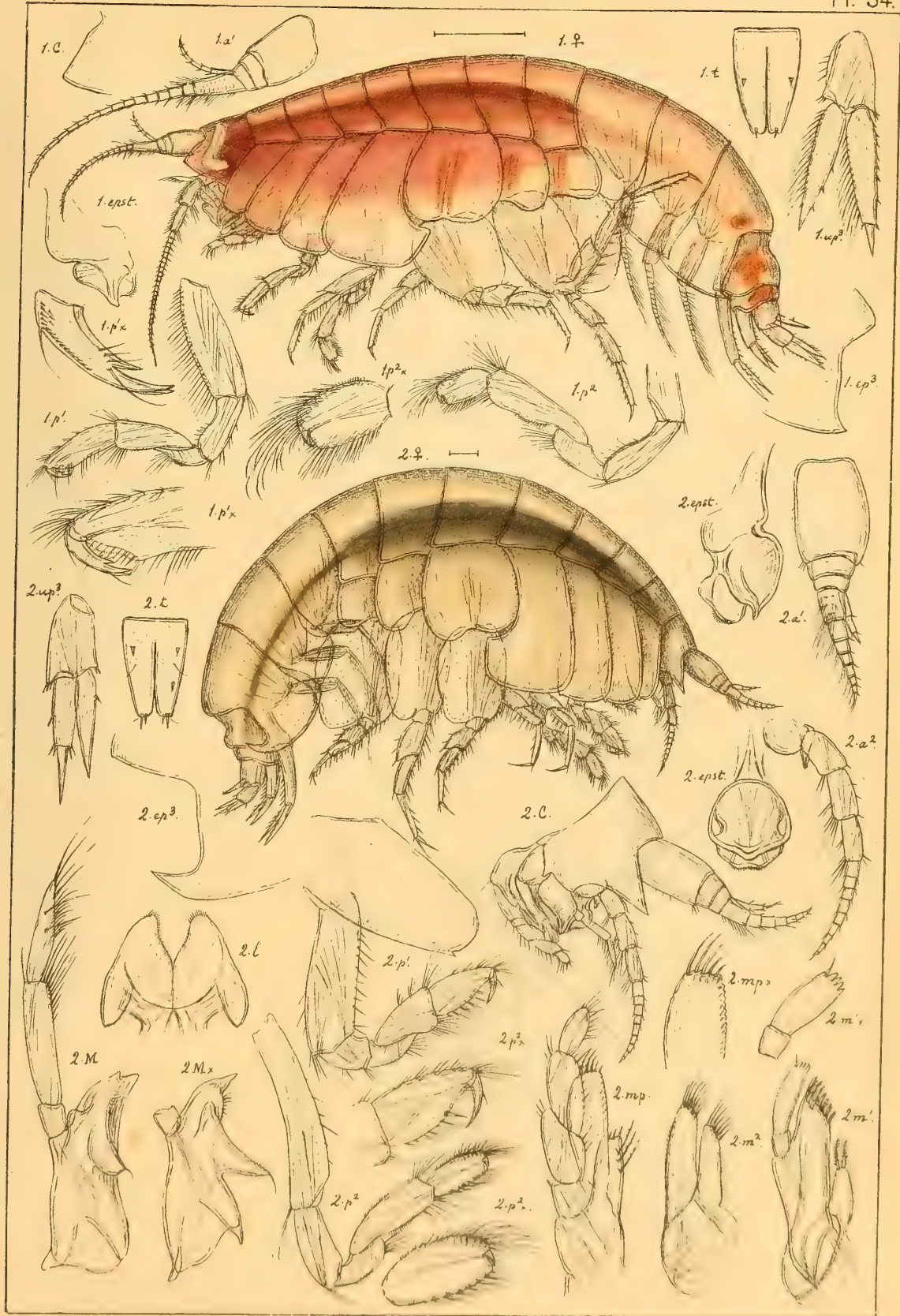
1. *Anonyx Lilljeborgii*, Boeck.

2. *Hoplonyx cicada*, (Fabr.).



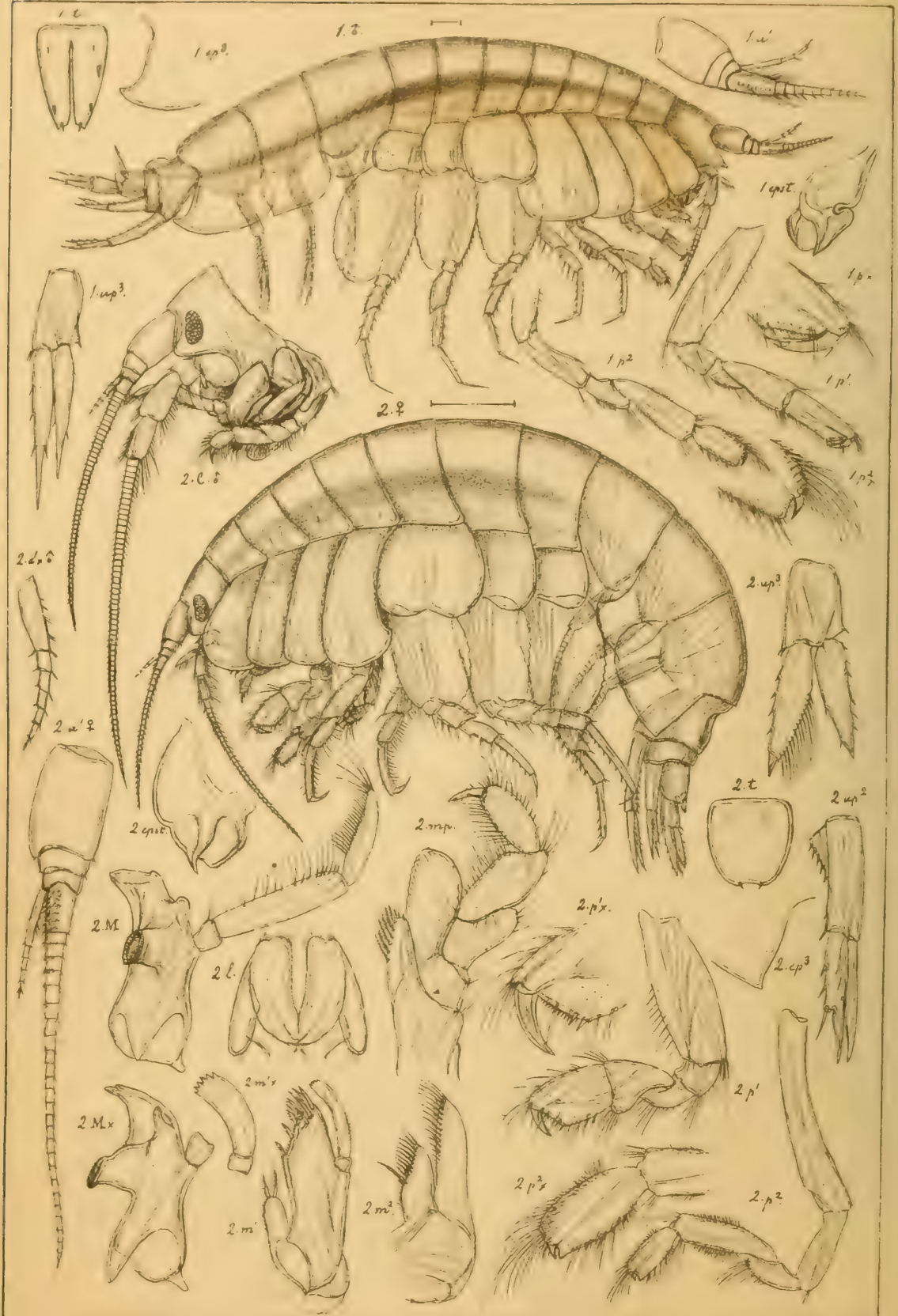
G.O. Sars autogr.

1. *Hoplonyx similis*, n. sp.2. *Hoplonyx acutus*, n. sp.3. *Hoplonyx albidus*, n. sp.



G.O.Sars autogr.

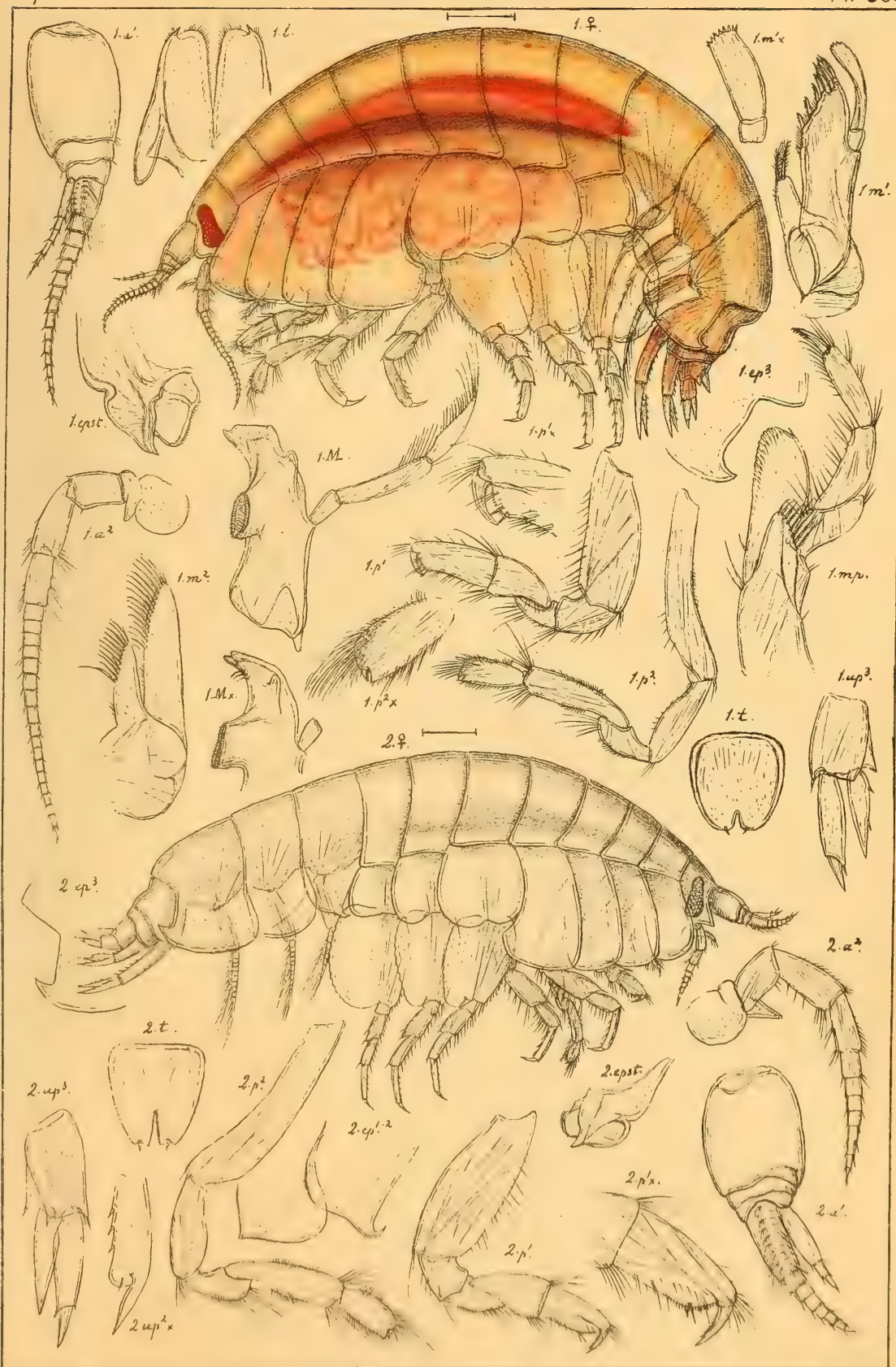
1. *Hoplonyx leucophthalmus*, n.sp.
 2. *Centromedon pumilus*, (Lilljeborg).



G.O.Sars autoogr.

1. *Hoplonyx caeculus*. n. sp.

2. *Alibrotus littoralis*, (Kröyer).

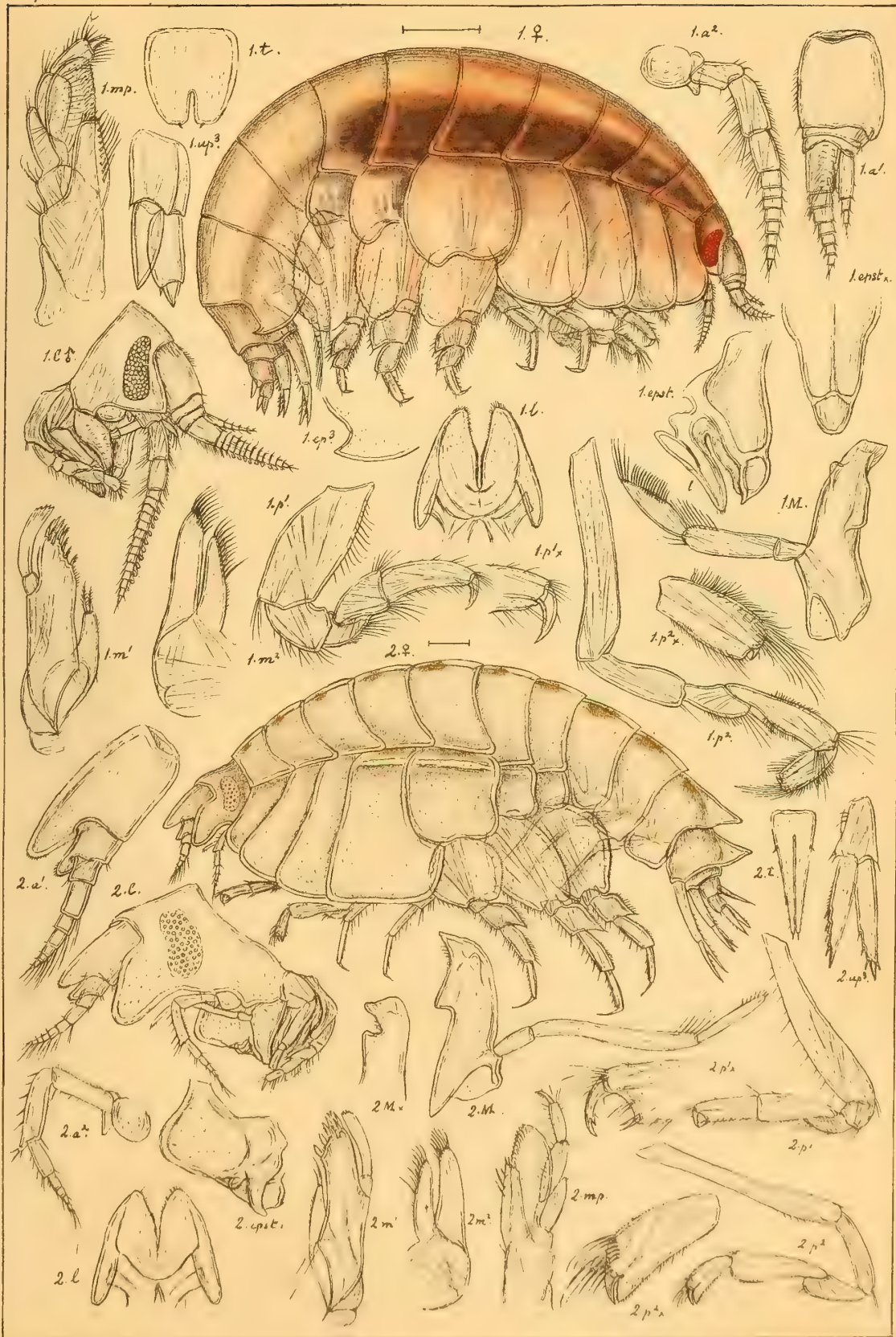




G.O. Sars autogr.

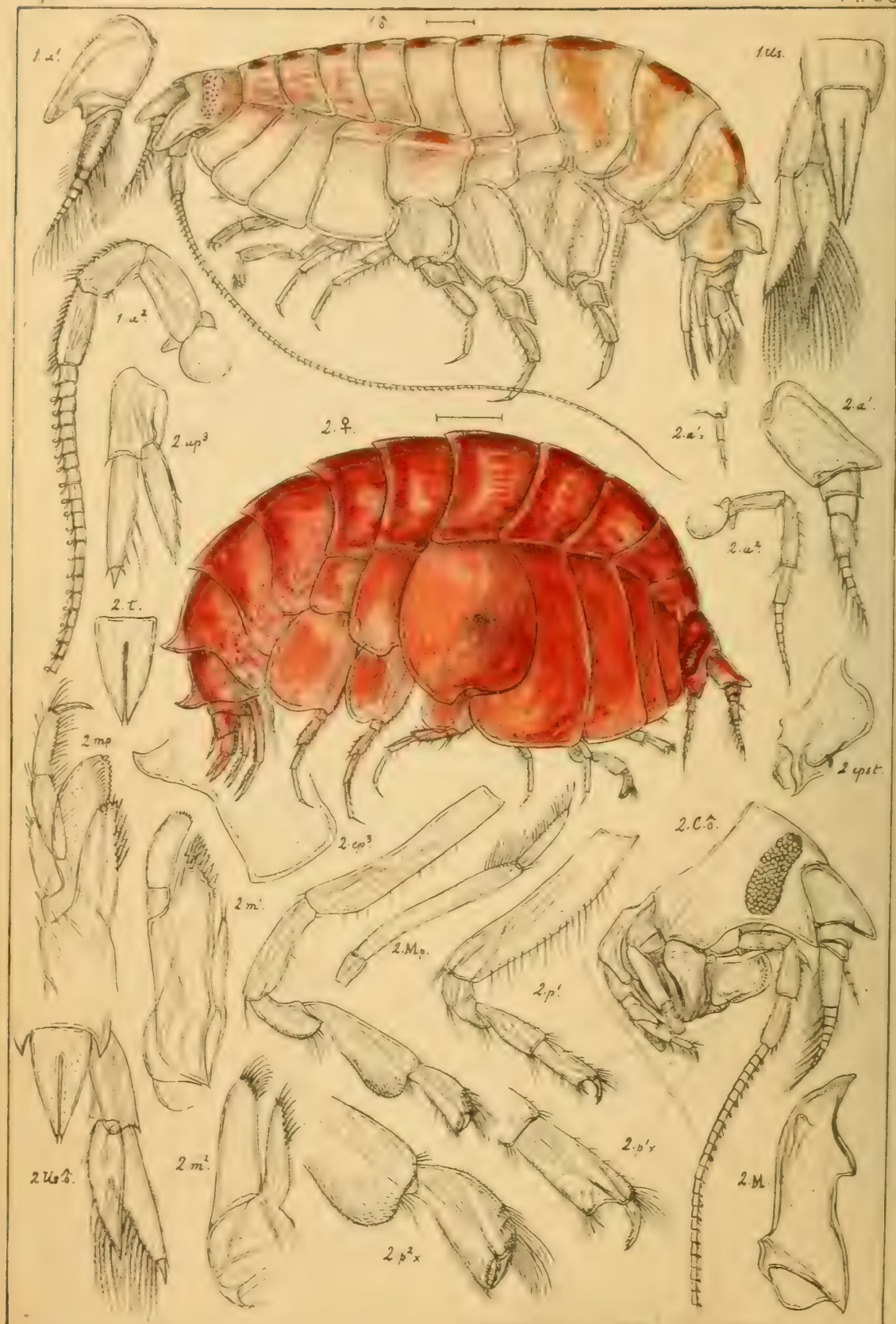
1. On¹osimus plautus, (Kröyer).

2. *Chironesimus Debruyntii*, (Hoek).



G.O.Sars autogr.

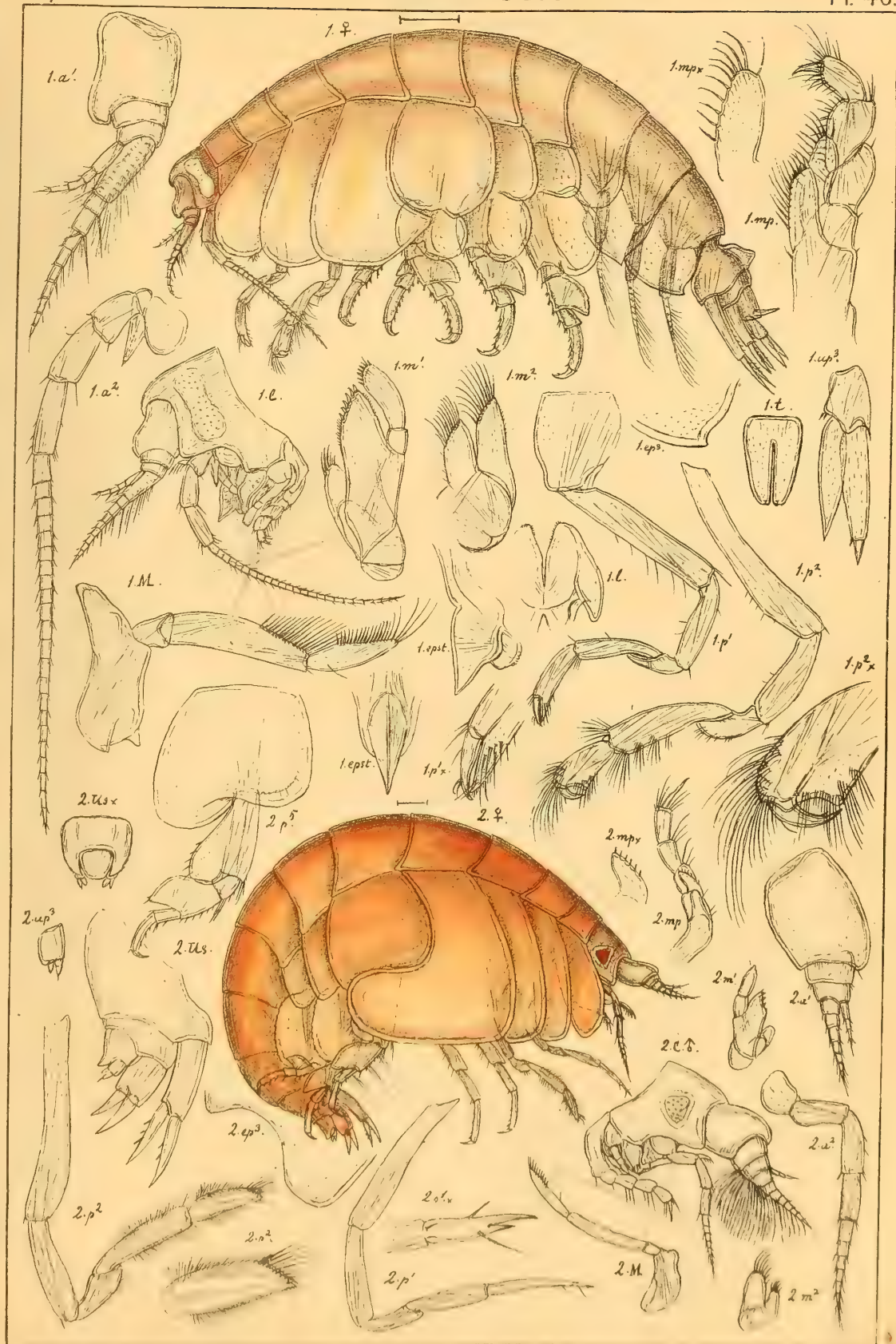
1. *Menigrates obtusifrons*, Boeck.2. *Lepidepreum carinatum*, Sp. Bate ♀.



G.O. Sars autogr.

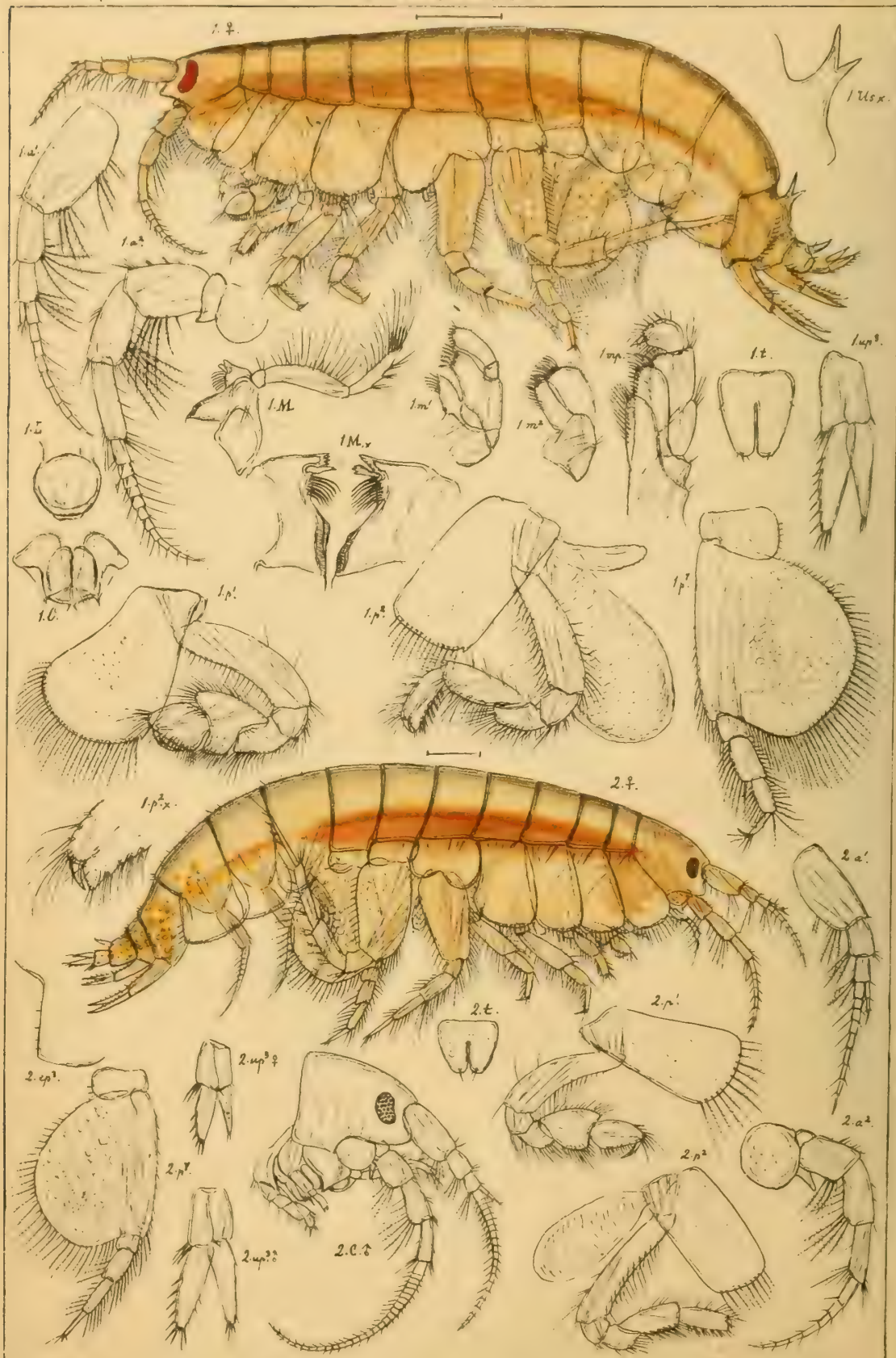
1. *Lepidepecreum carinatum*, Sp. Bate ♂.

2. *Lepidepecreum umbo*, (Goës).



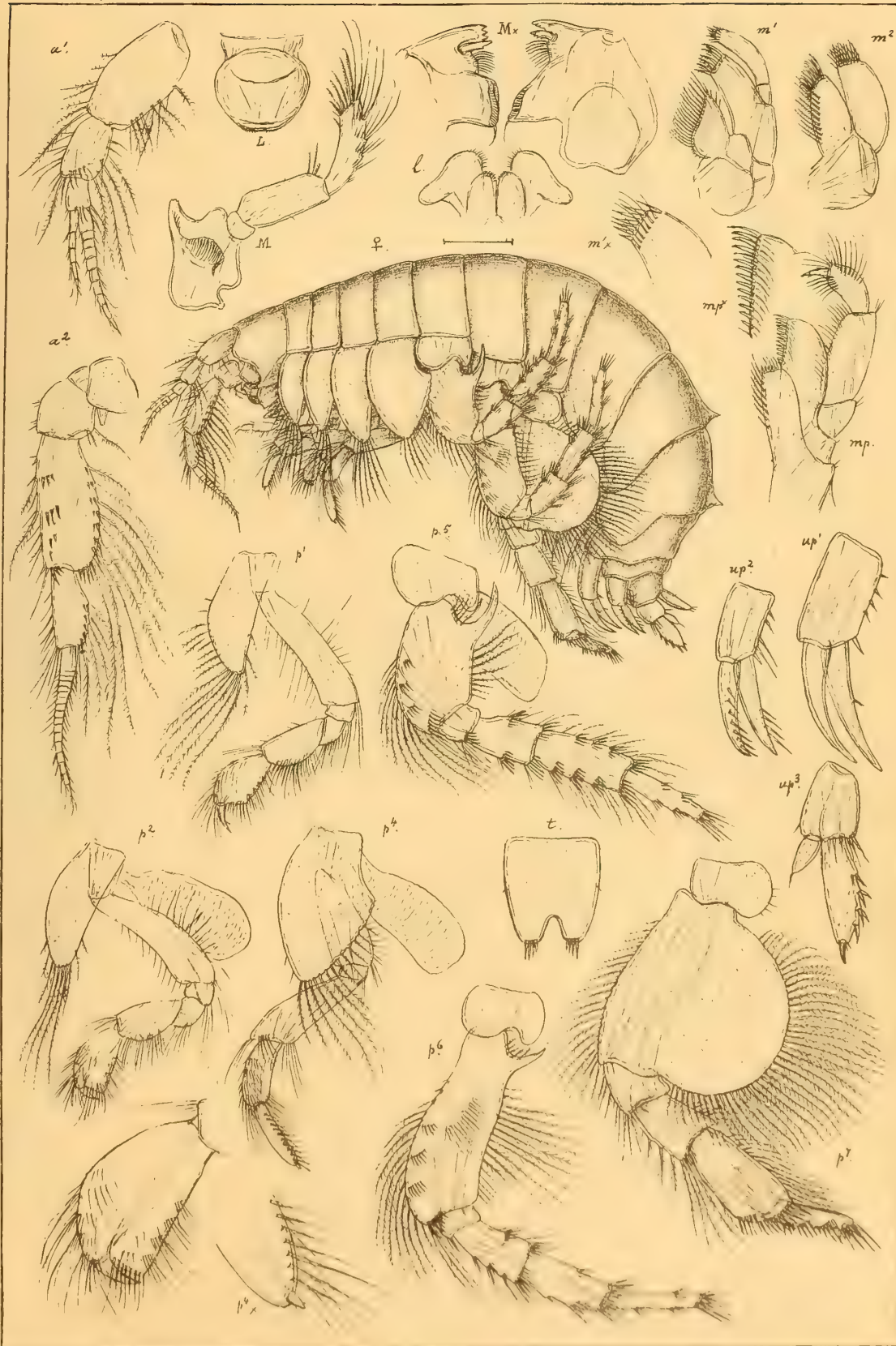
G.O Sars autogr.

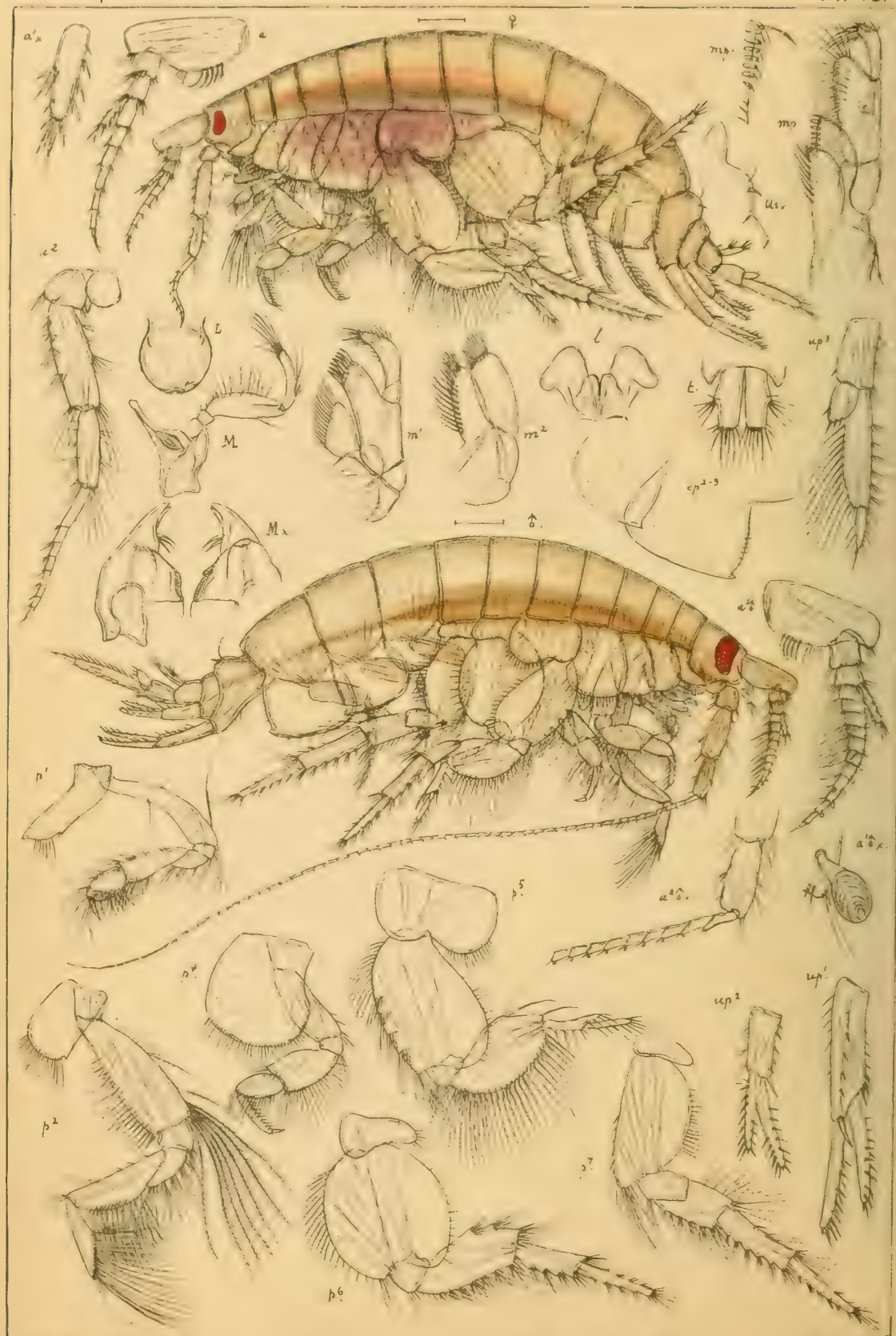
1. *Euonyx chelatus*, Norman.
2. *Kerguelenia borealis*, n. sp.

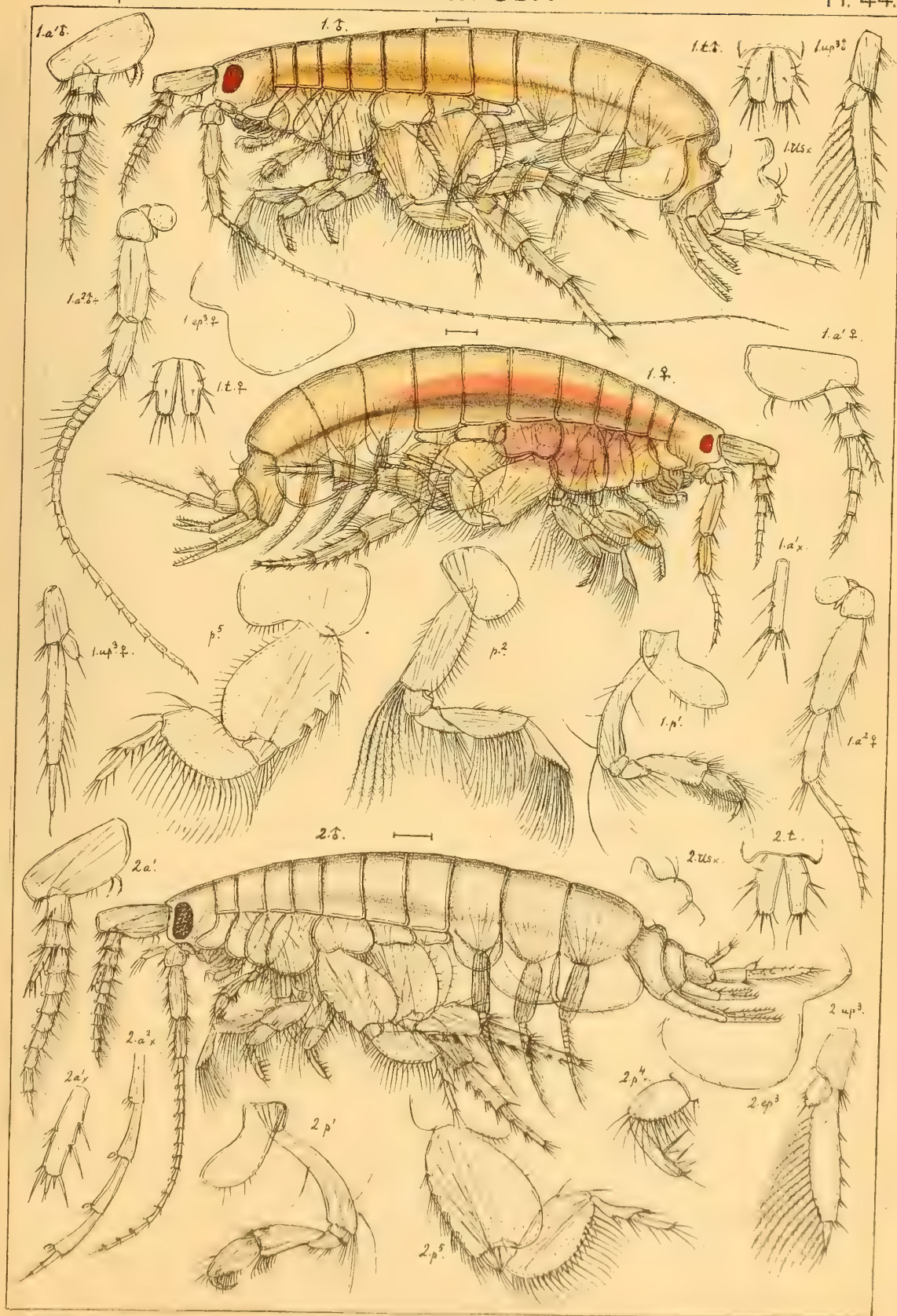


G.O. Sars autogr.

1. *Pontoporeia femorata*, Kröyer.2. *Pontoporeia affinis*, **Bruzelius**. *Lindström*







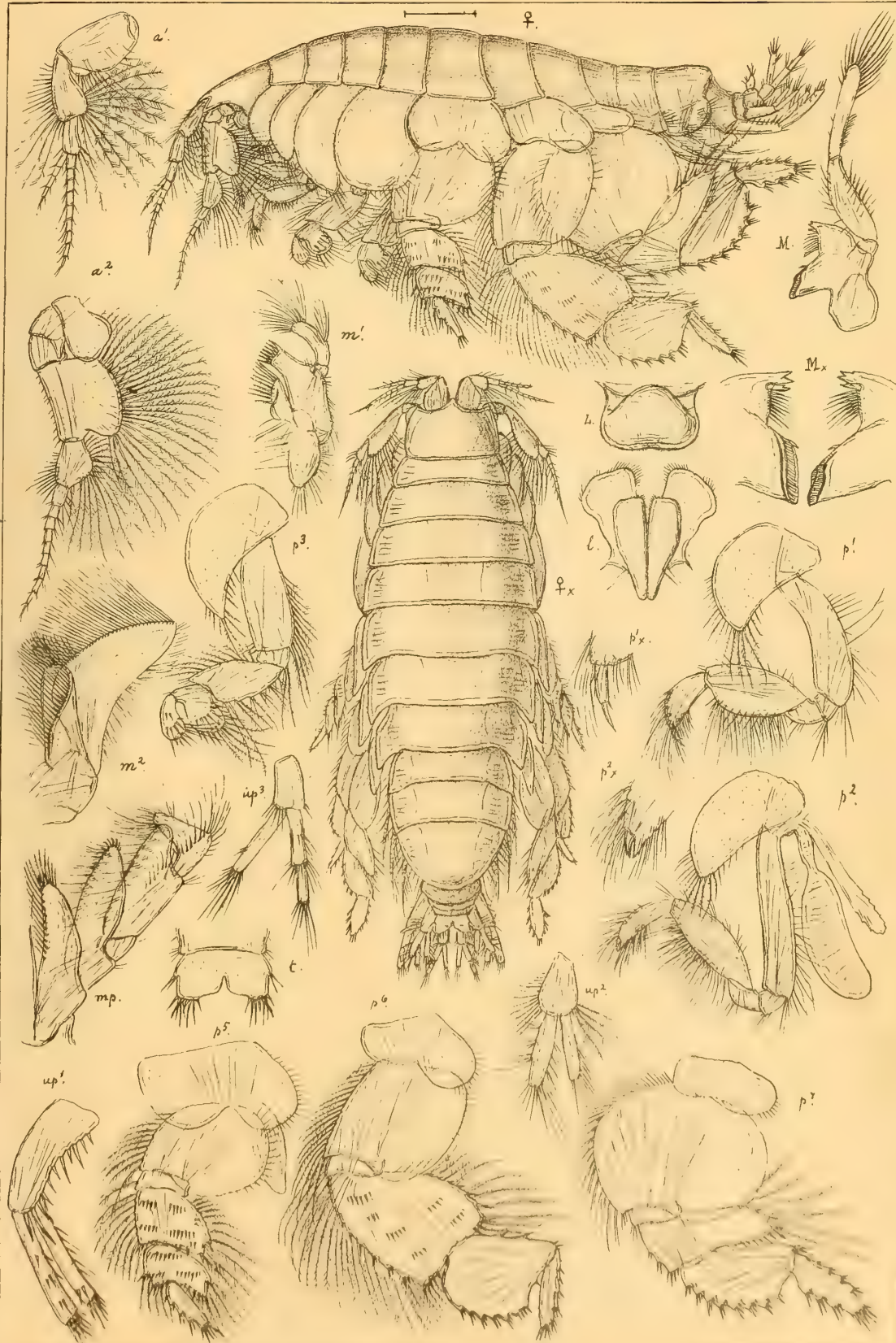
G.O. Sars autogr.

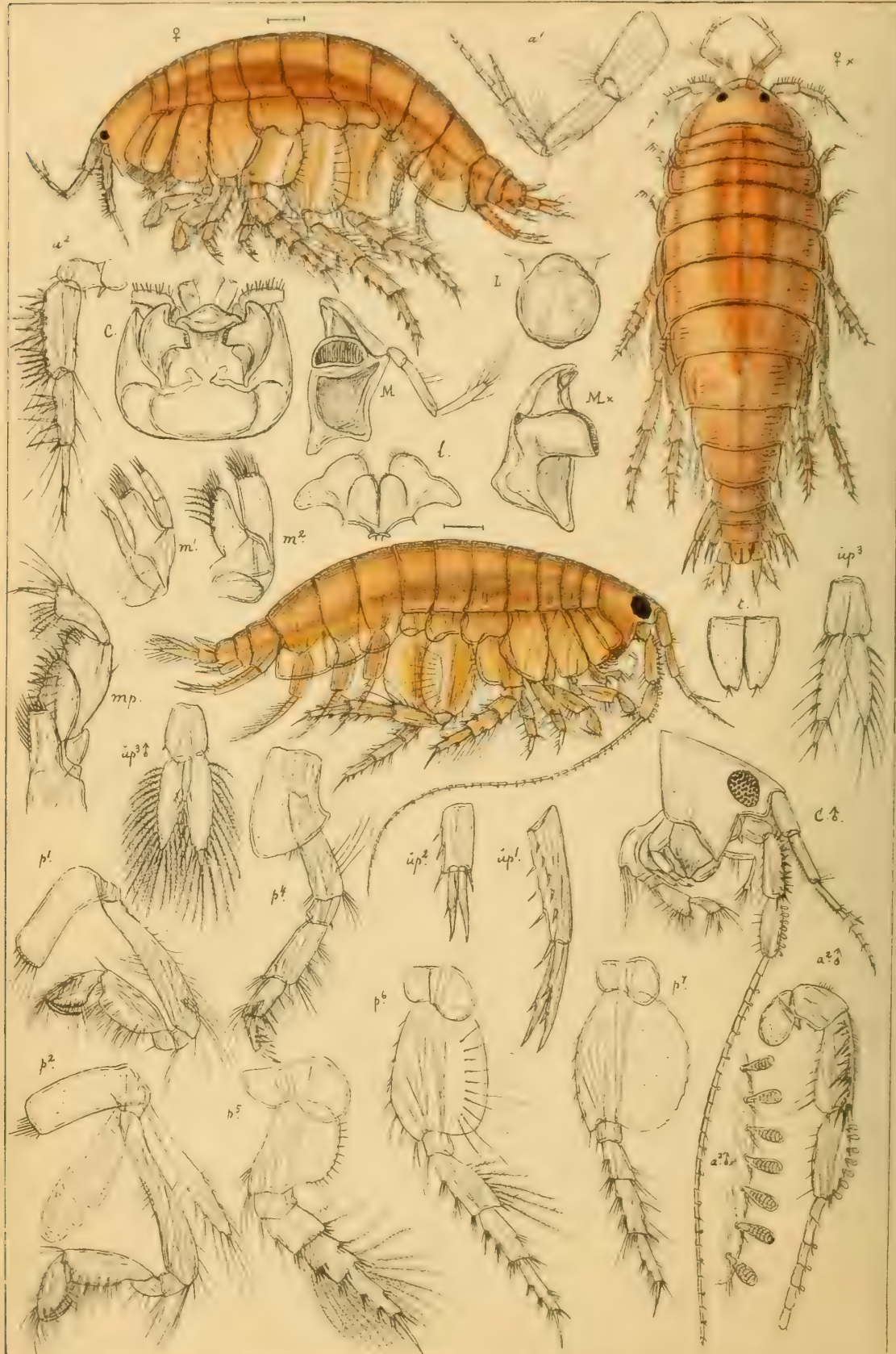
1. *Bathyporeia pelagica*, Sp. Bate.2. *Bathyporeia Robertsonii*, Sp. Bate.



G.O.Sars autogr.

1. *Bathyporeia gracilis*, n.sp.2. *Bathyporeia pilosa*, Lindström.





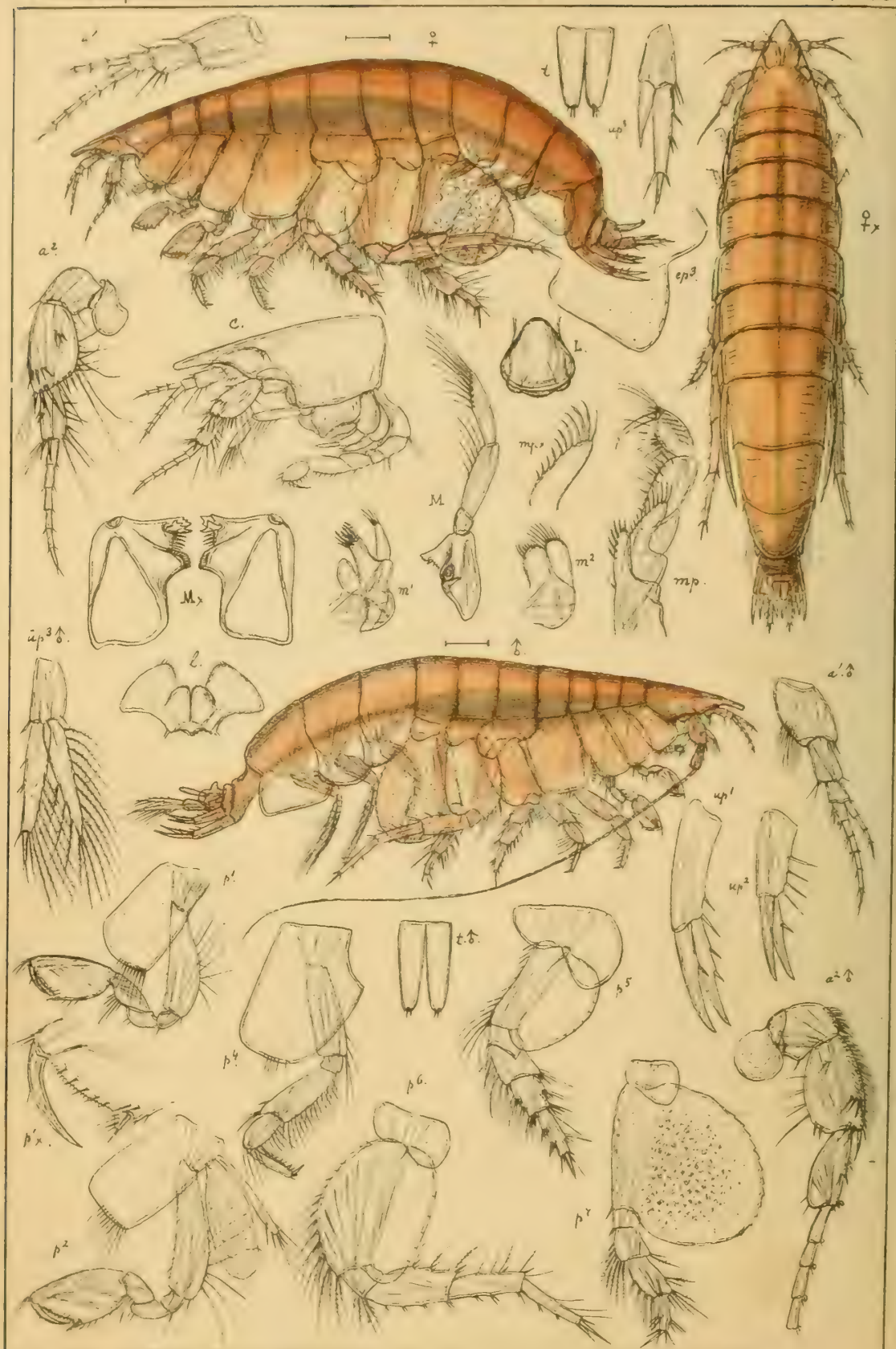
G.O. Sars autogr.

Urothoe norvegica, Boeck.



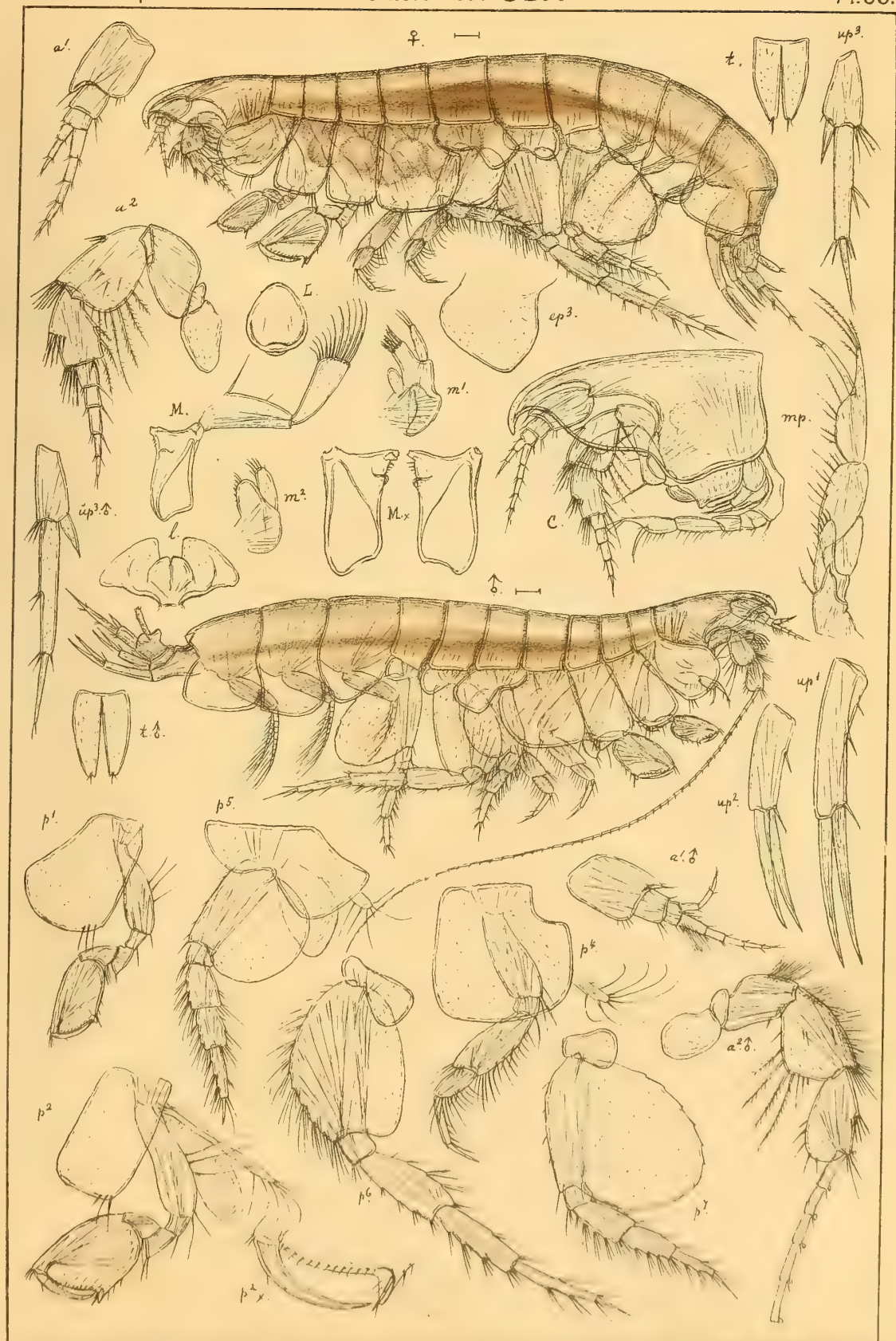
G.O. Sars autogr.

Argissa typica, Boeck.



G O Sars autogr

Phoxocephalus Holbölli, (Kröyer).



G.O. Sars autogr.

Leptophoxus falcatus, G.O.Sars.



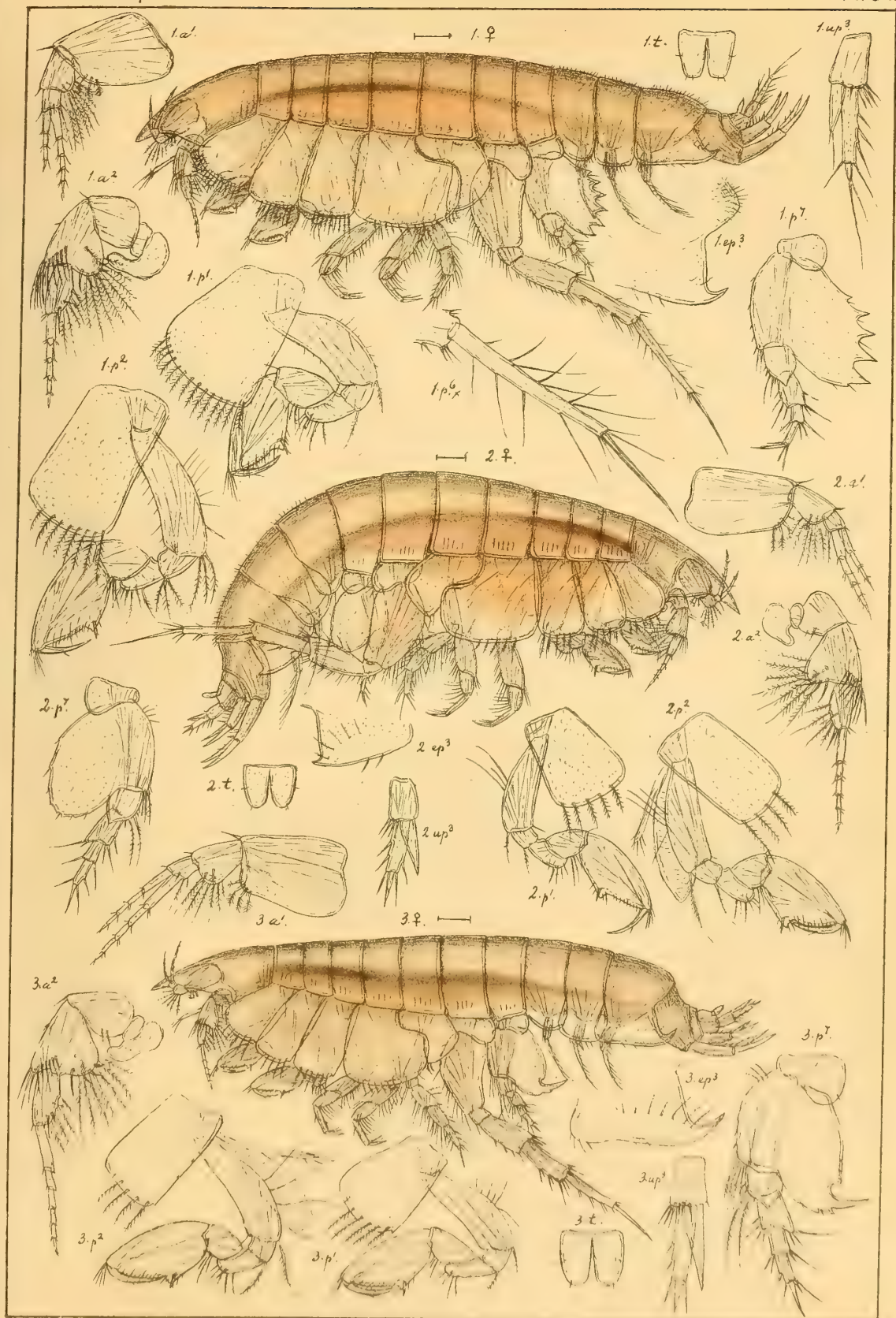
G.O. Sars autogr.

Paraphoxus oculatus, G.O.Sars.



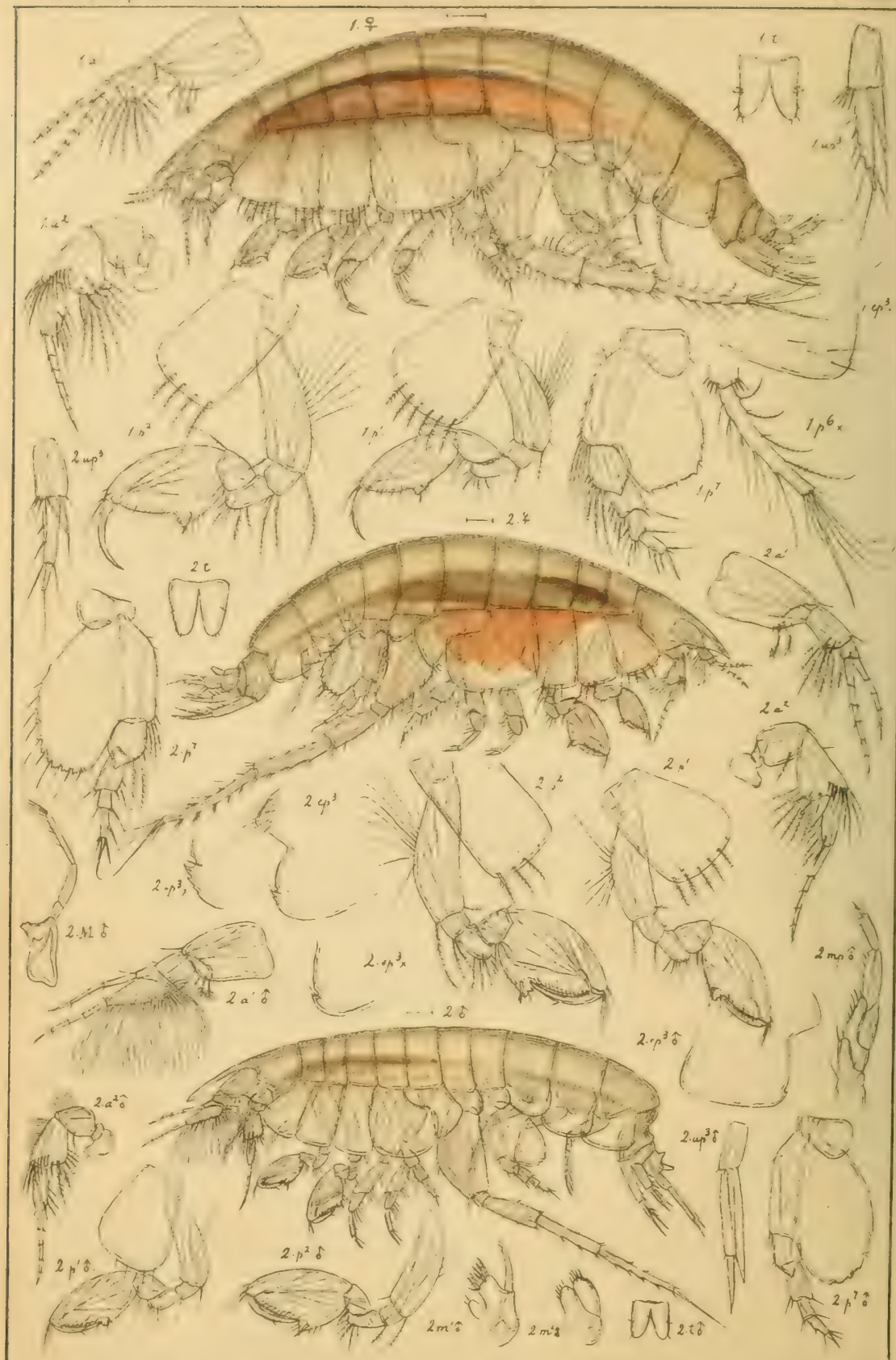
G.O. Sars autogr.

1. *Harpinia neglecta*, G.O. Sars.
 2. *Harpinia pectinata*, n. sp.



G.O.Sars autogr.

1. *Harpinia serrata*, G.O.Sars.2. *Harpinia propinqua*, n. sp.3. *Harpinia mucronata*, G.O.Sars.



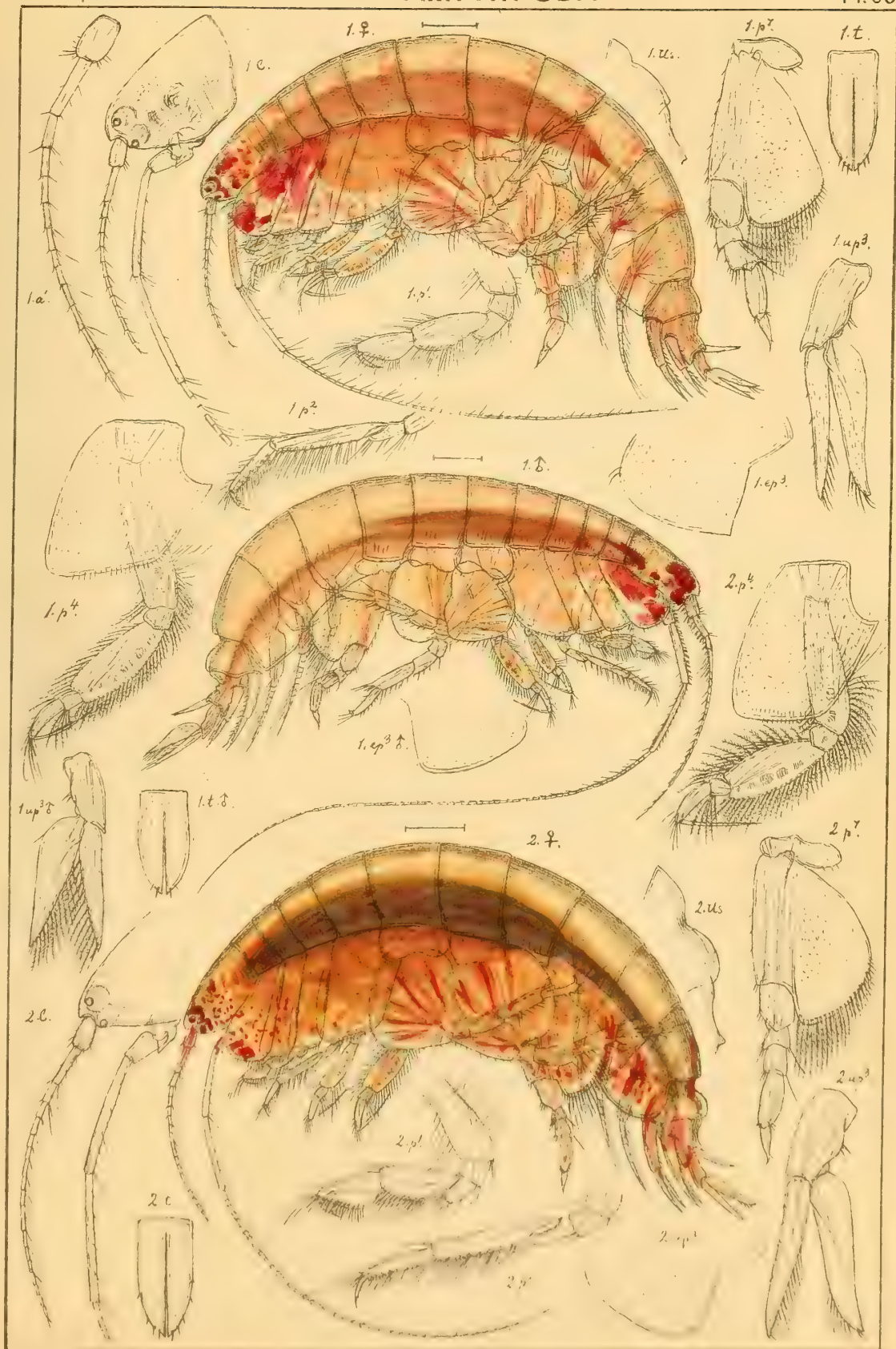
G.O. Sars autogr.

1. *Harpinia truncata*, n.sp.2. *Harpinia crenulata*, (Boeck.)



G.O Sars autogr.

Ampelisca typica, Sp. Bate.

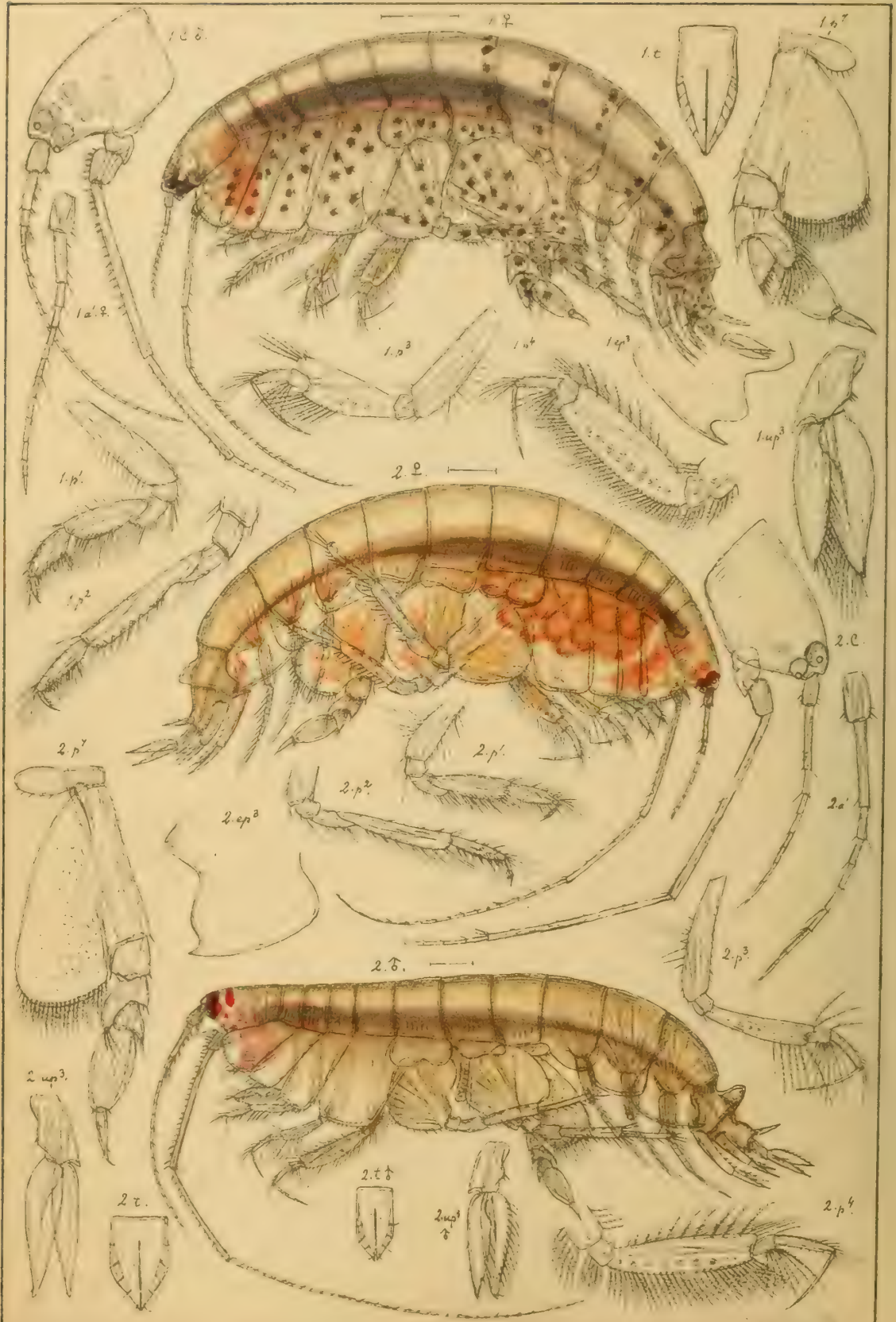


G.O.Sars autogr.

1. *Ampelisca tenuicornis*, Lilljeborg.

2. *Ampelisca assimilis*, Boeck.

A. costata

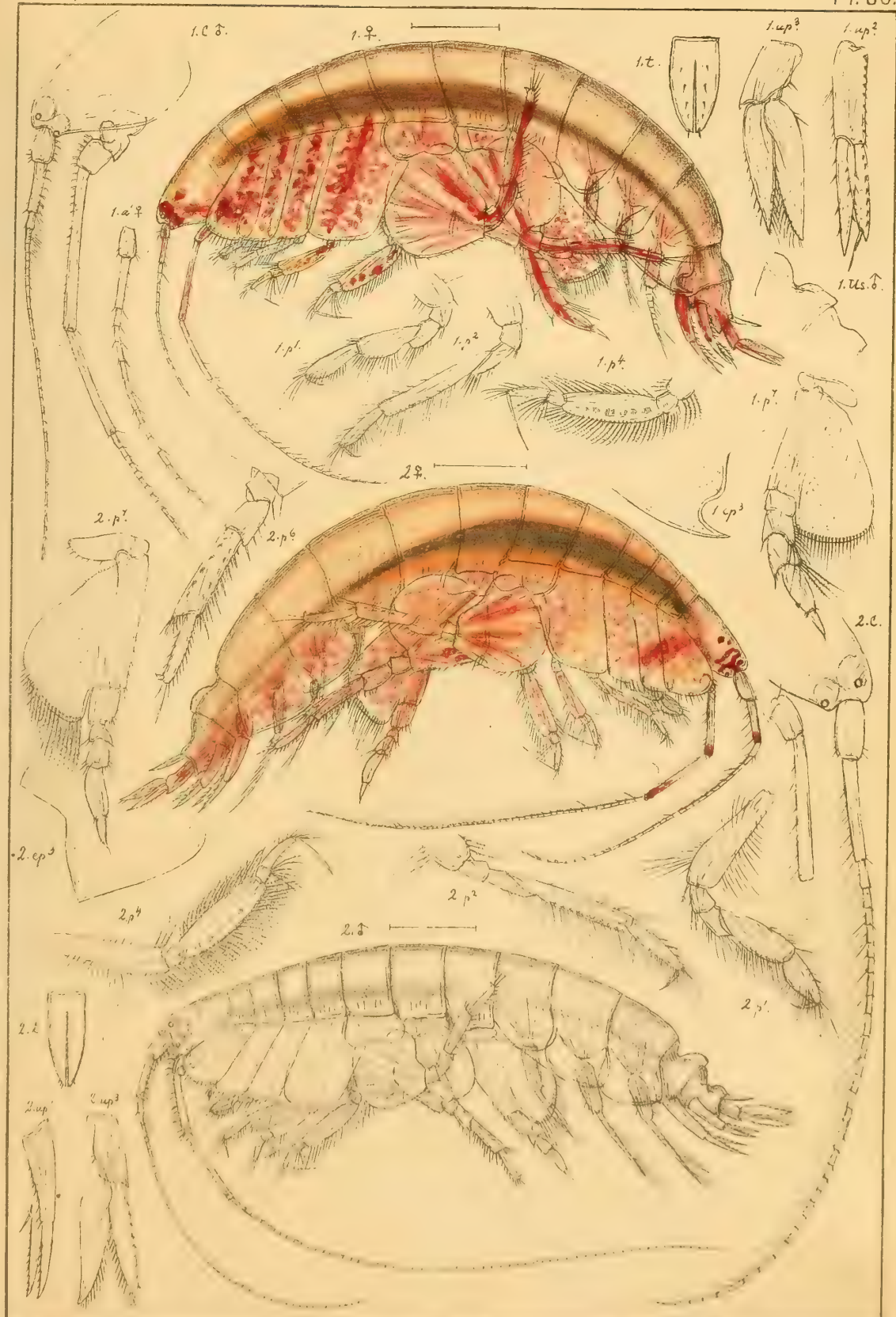


G.O. Sars autogr.

1. *Ampelisca lævigata*, Lilljeborg.

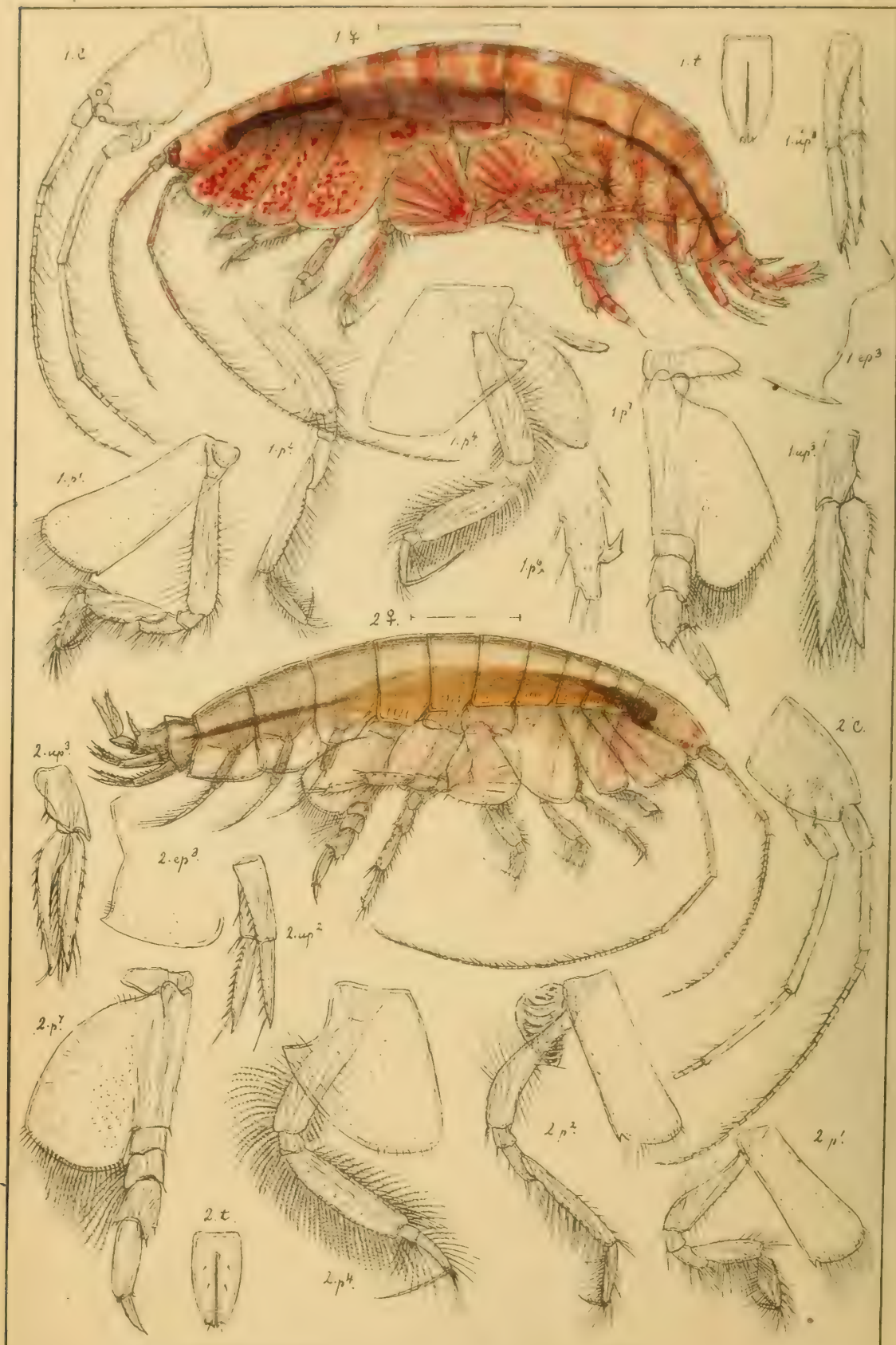
2. *Ampelisca gibba*, G.O. Sars.

var. *costata* Costa



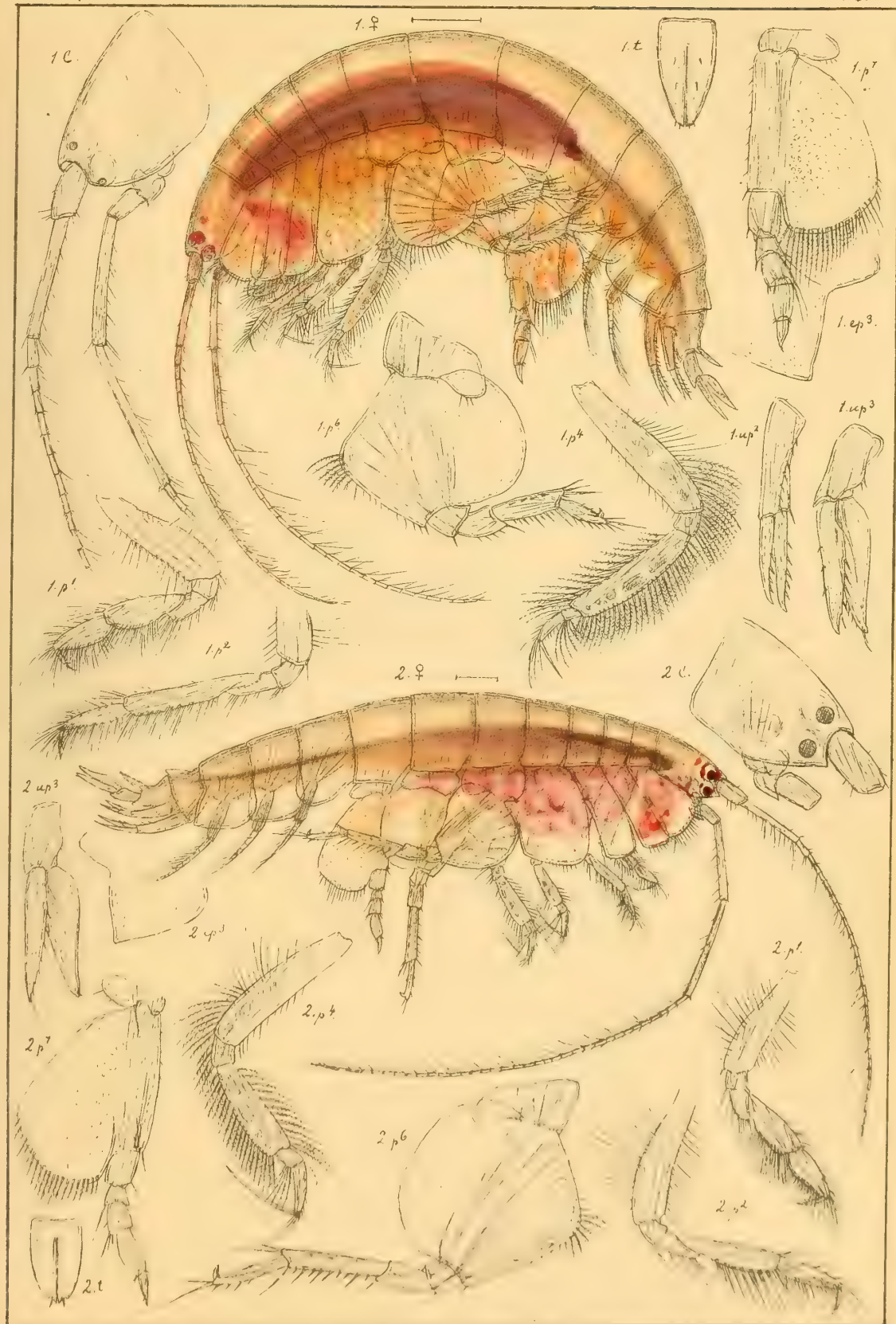
G.O.Sars autogr.

1. *Ampelisca macrocephala*, Lilljeborg.
2. *Ampelisca spinipes*, Boeck.



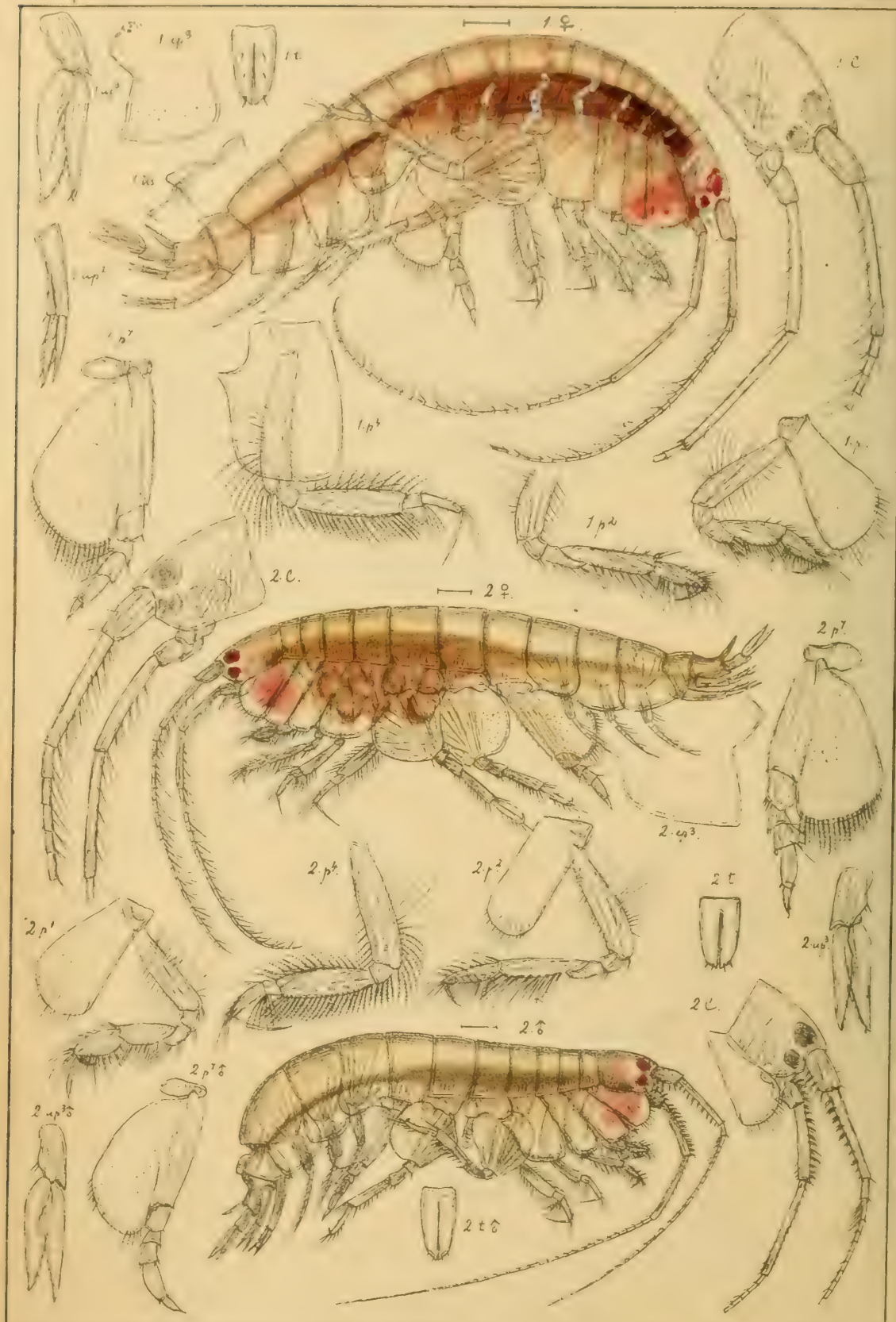
G.O.Sars autogr.

1. *Ampelisca Eschrichtii*, Kröyer.2. *Ampelisca odontoplax*, G.O.Sars.



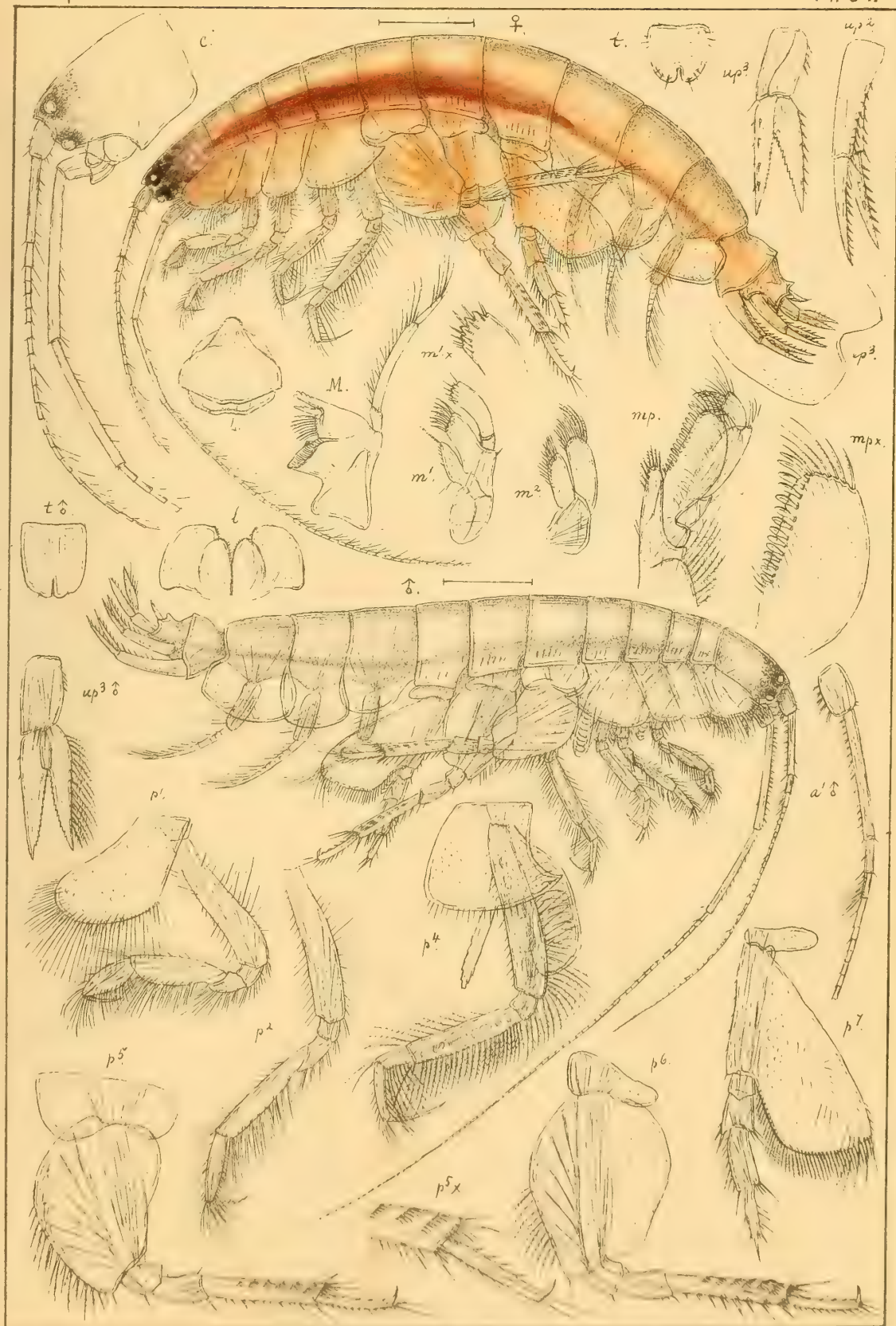
G.O. Sars autogr.

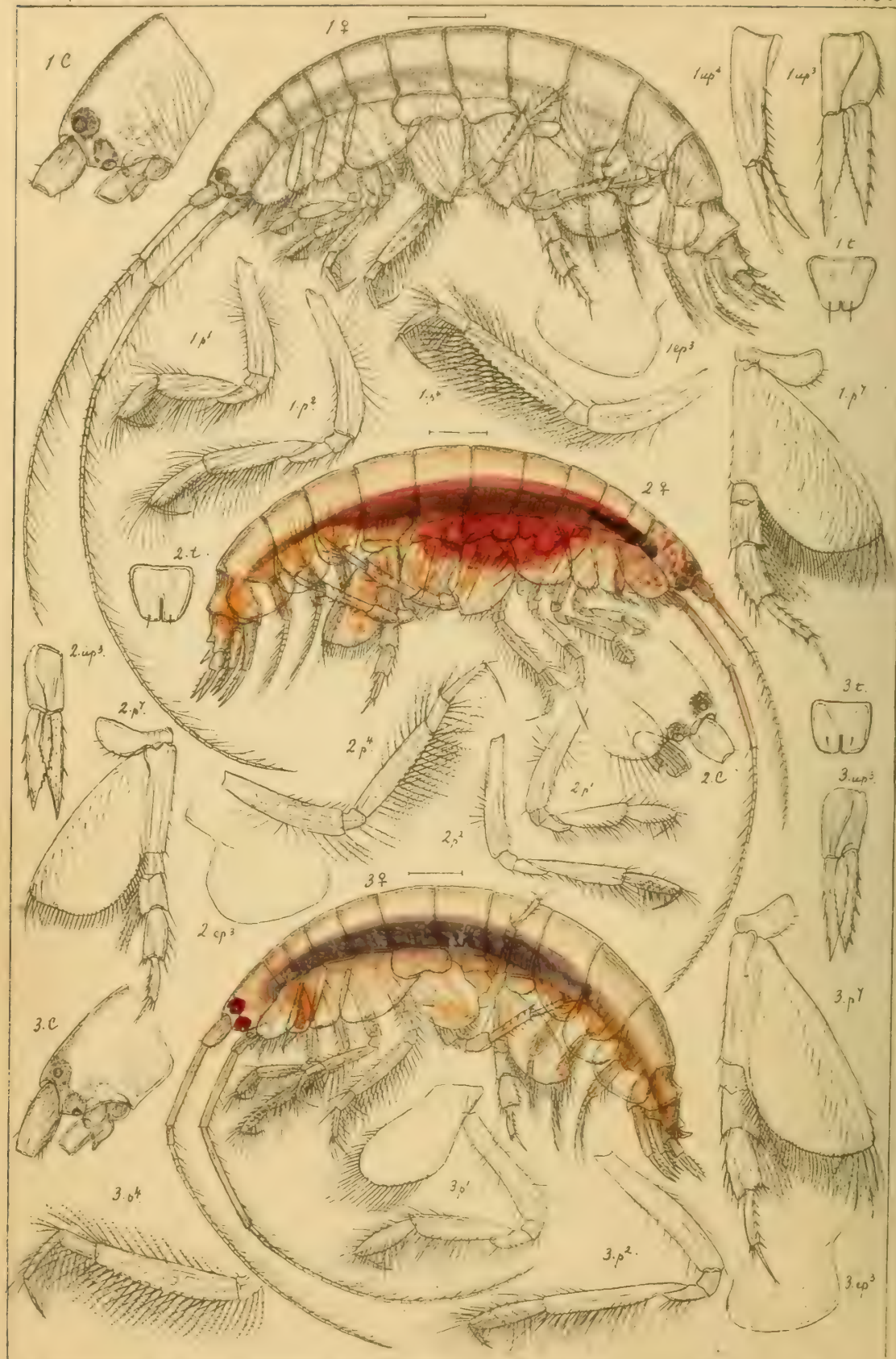
1. *Ampelisca æquicornis*, Bruzelius.2. *Ampelisca anomala*, G.O. Sars.



G.O. Sars autogr.

1. *Ampelisca amblyops*, n. sp.2. *Ampelisca pusilla*, n. sp.



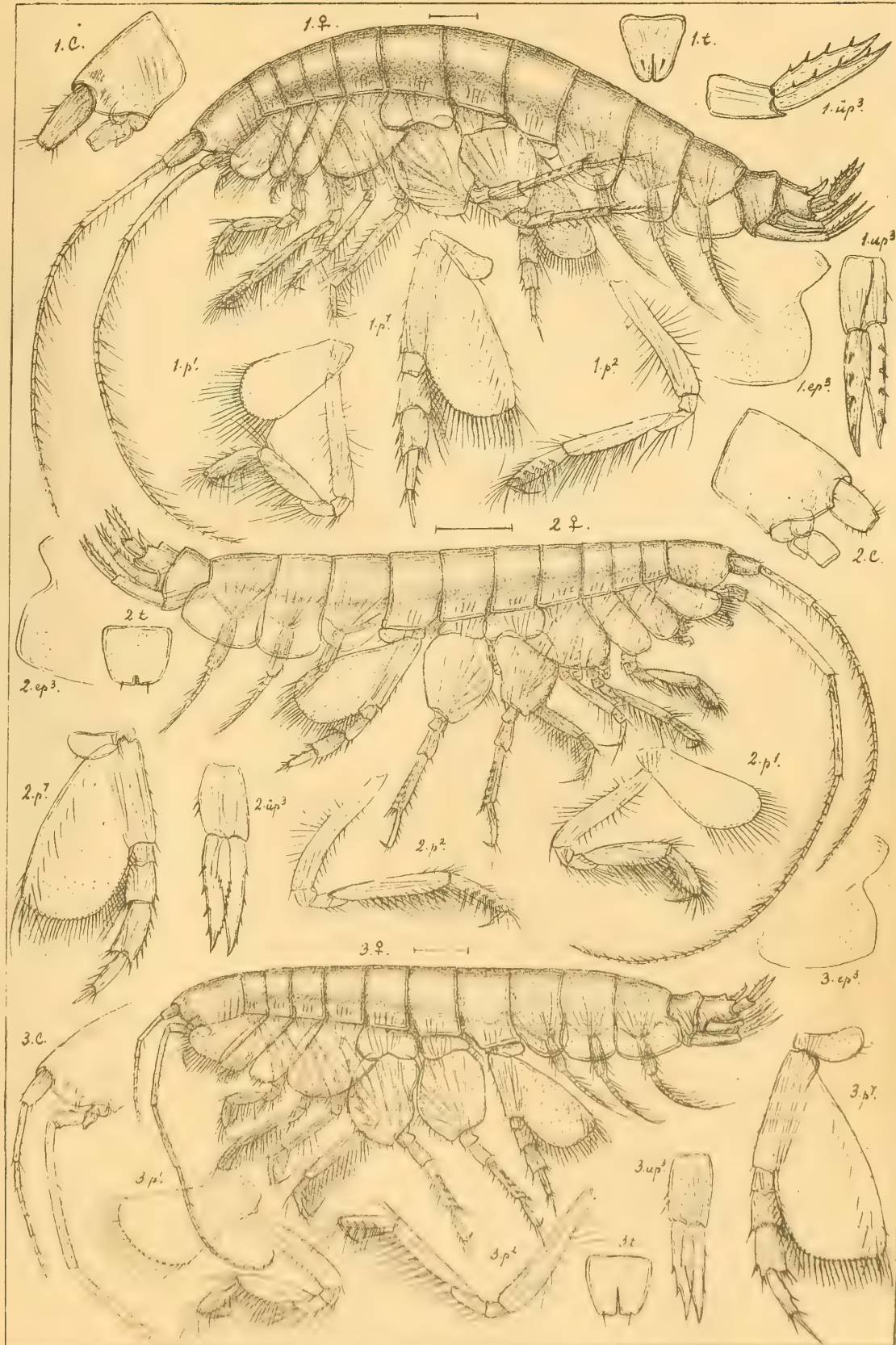


G.O. Sars autogr.

1. *Byblis longicornis*, n. sp.

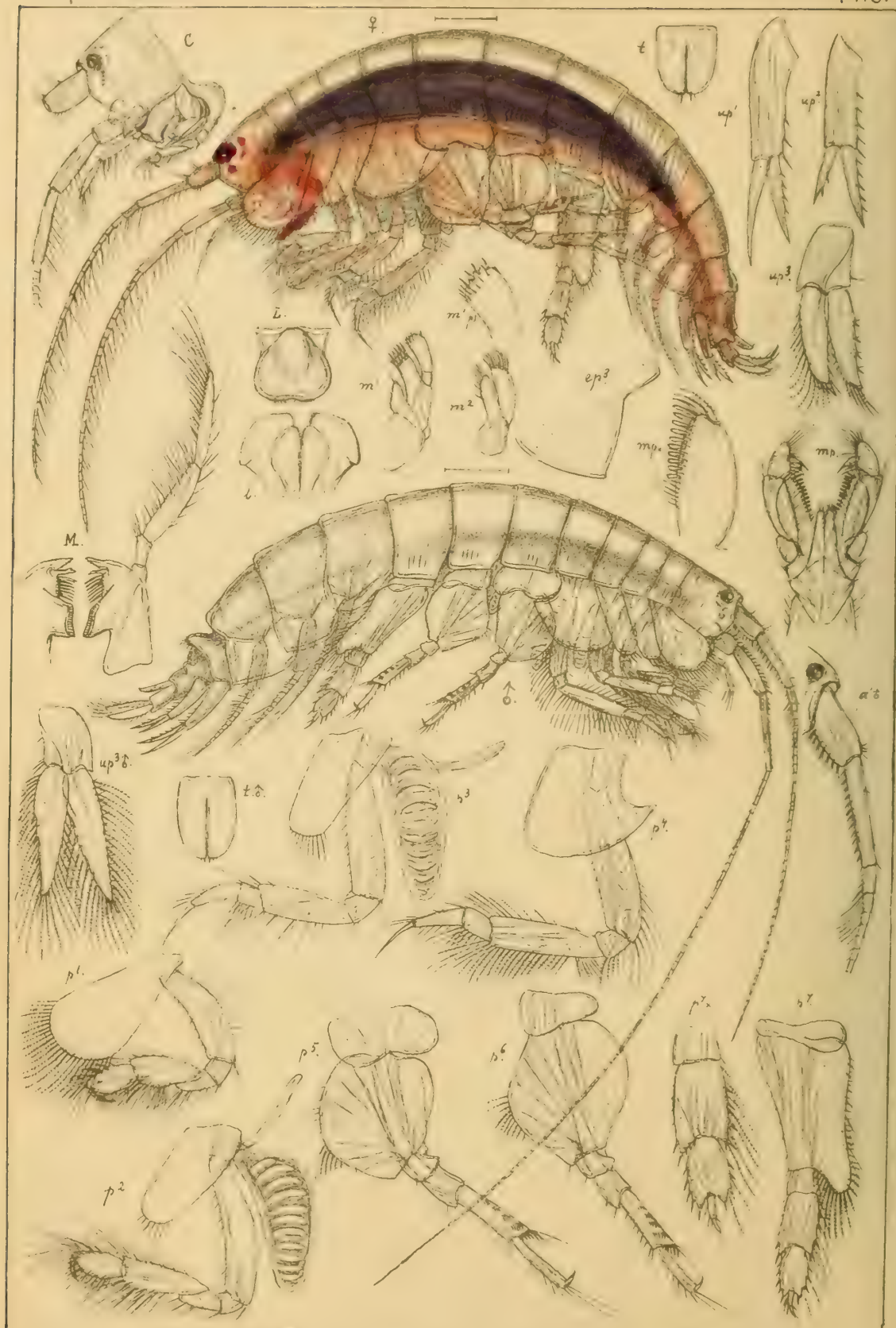
2. *Byblis affinis*, n. sp.

3. *Byblis erythropus*, G.O. Sars.



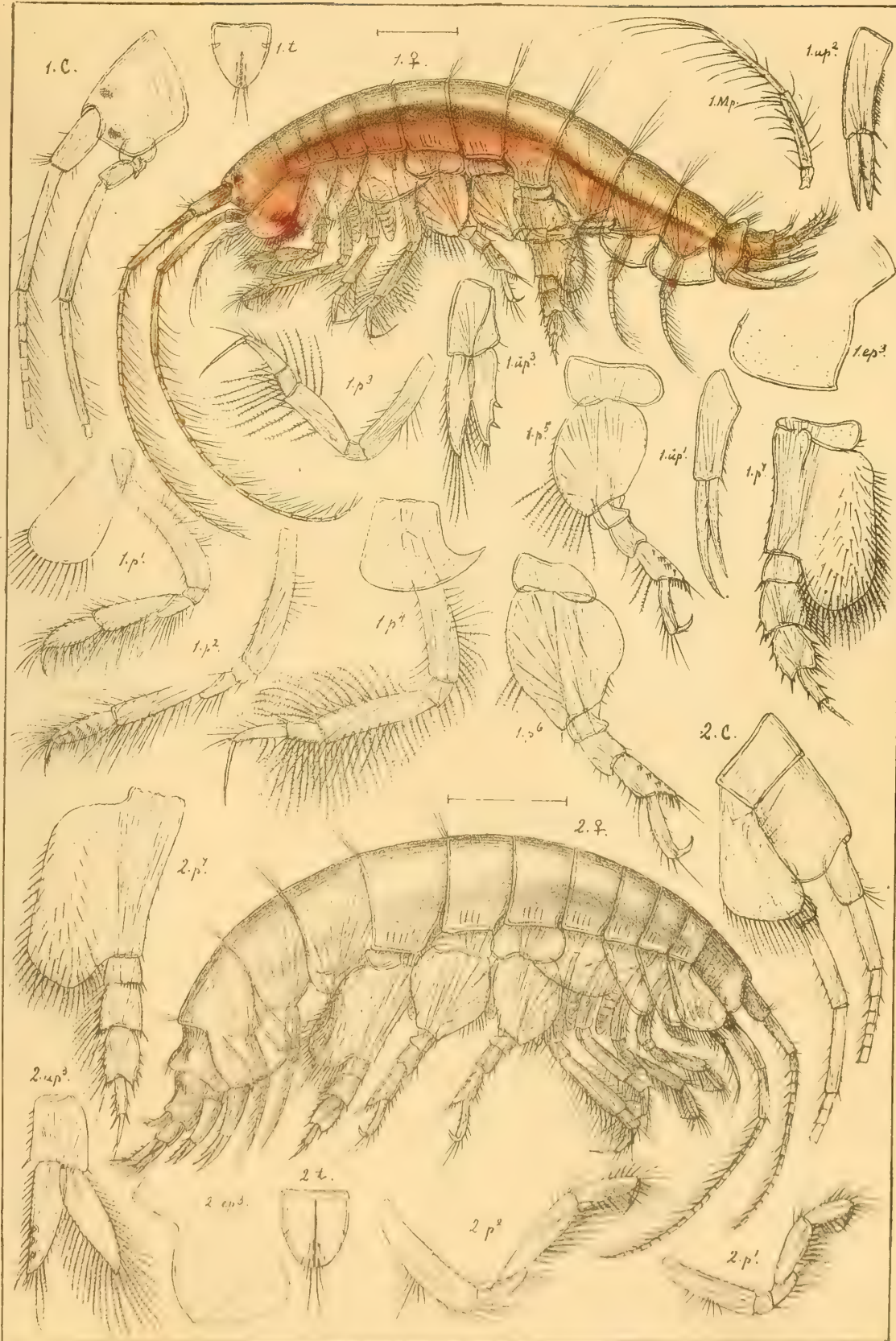
G.O. Sars autogr.

1. *Byblis crassicornis*, Metzger
2 *Byblis abyssi*, G.O.Sars.
3 *Byblis minuticornis*, G.O.Sars.



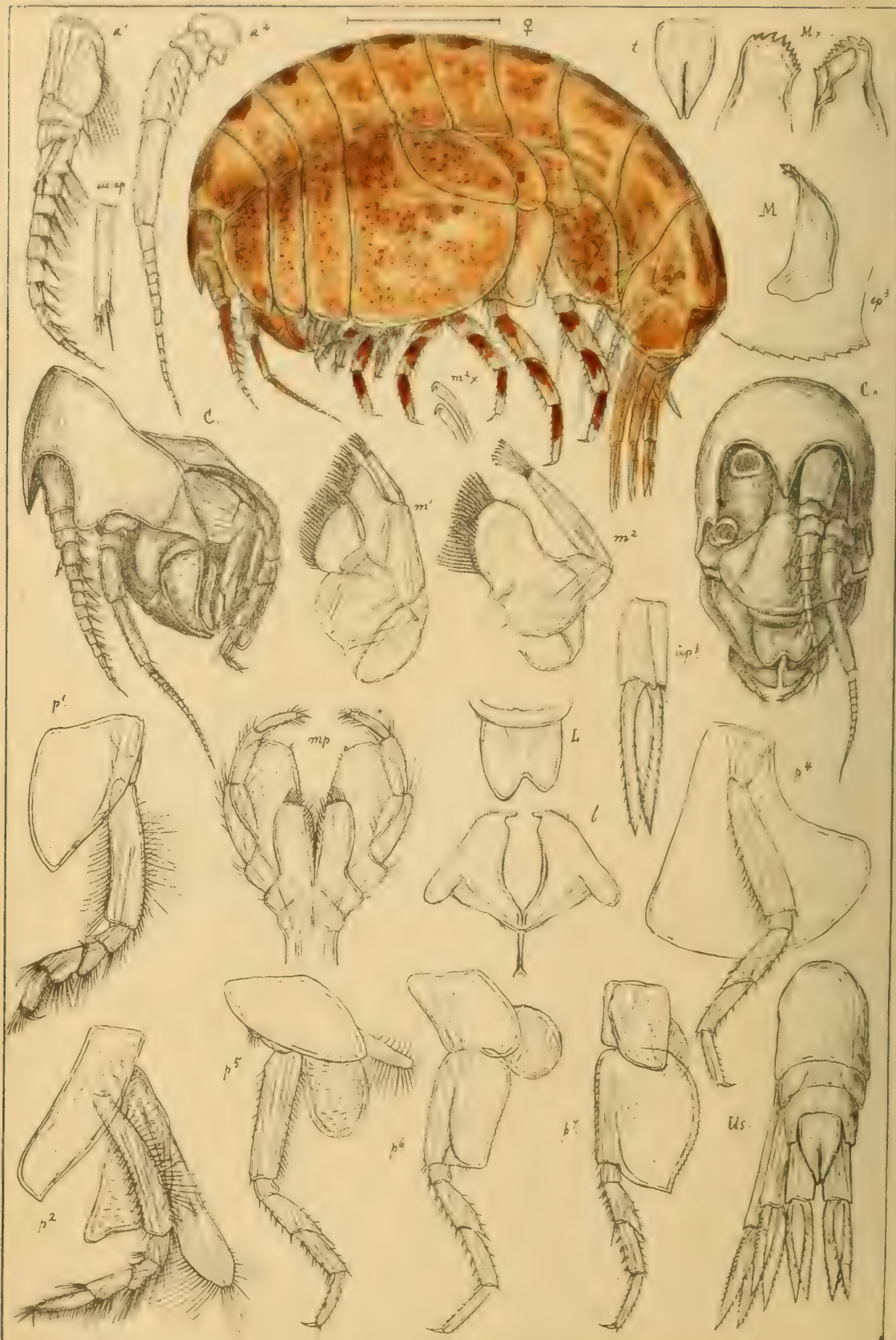
G.O.Sars autogr.

Haploops tubicola, Lilljeborg.



C O Sars autogr

1. *Haploops setosa*, Boeck
2. *Haploops robusta*, n.sp.



G.O. Sars autogr.

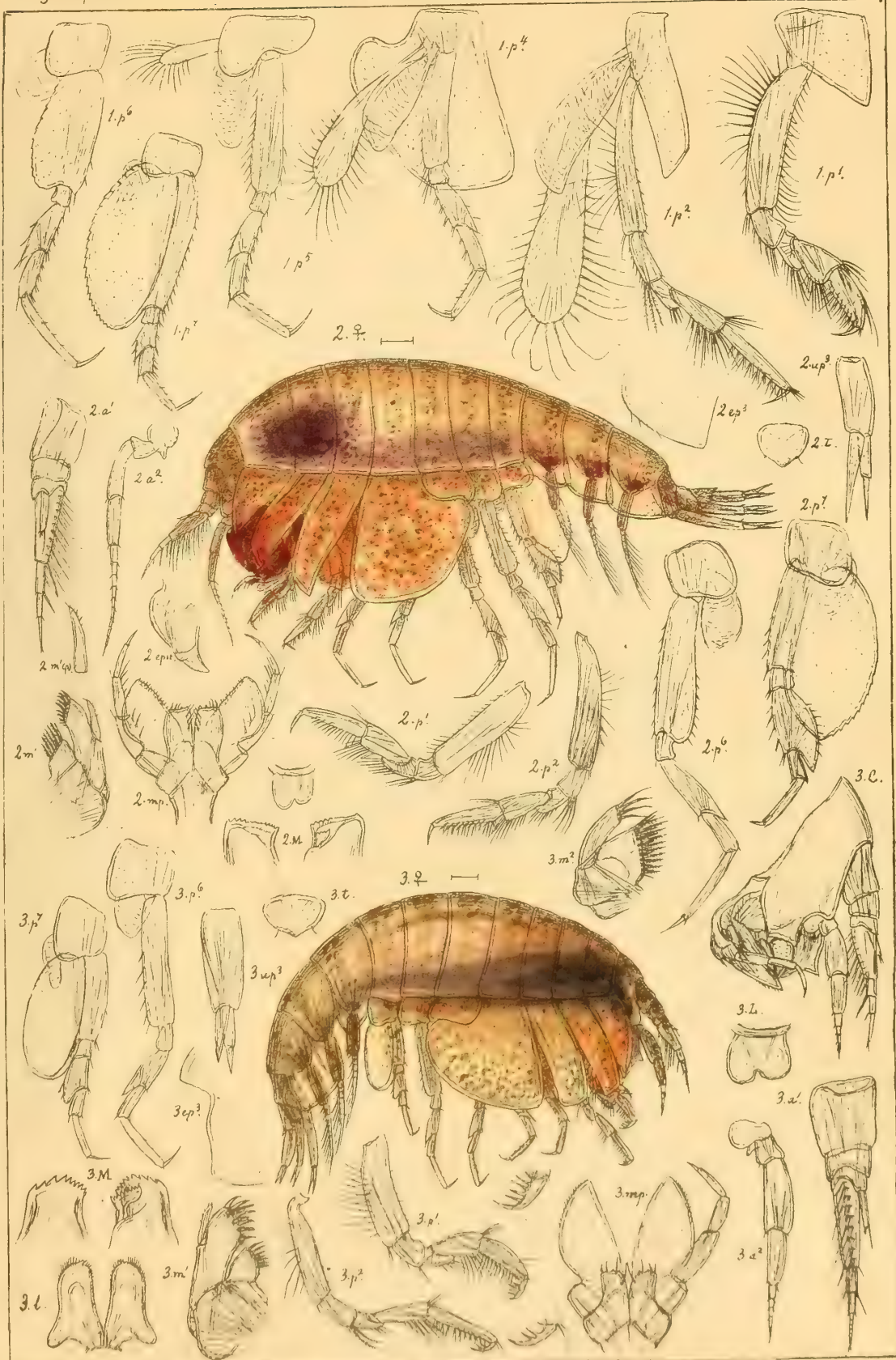
Stegocephalus inflatus, Kröyer.



G.O.Sars autogr.

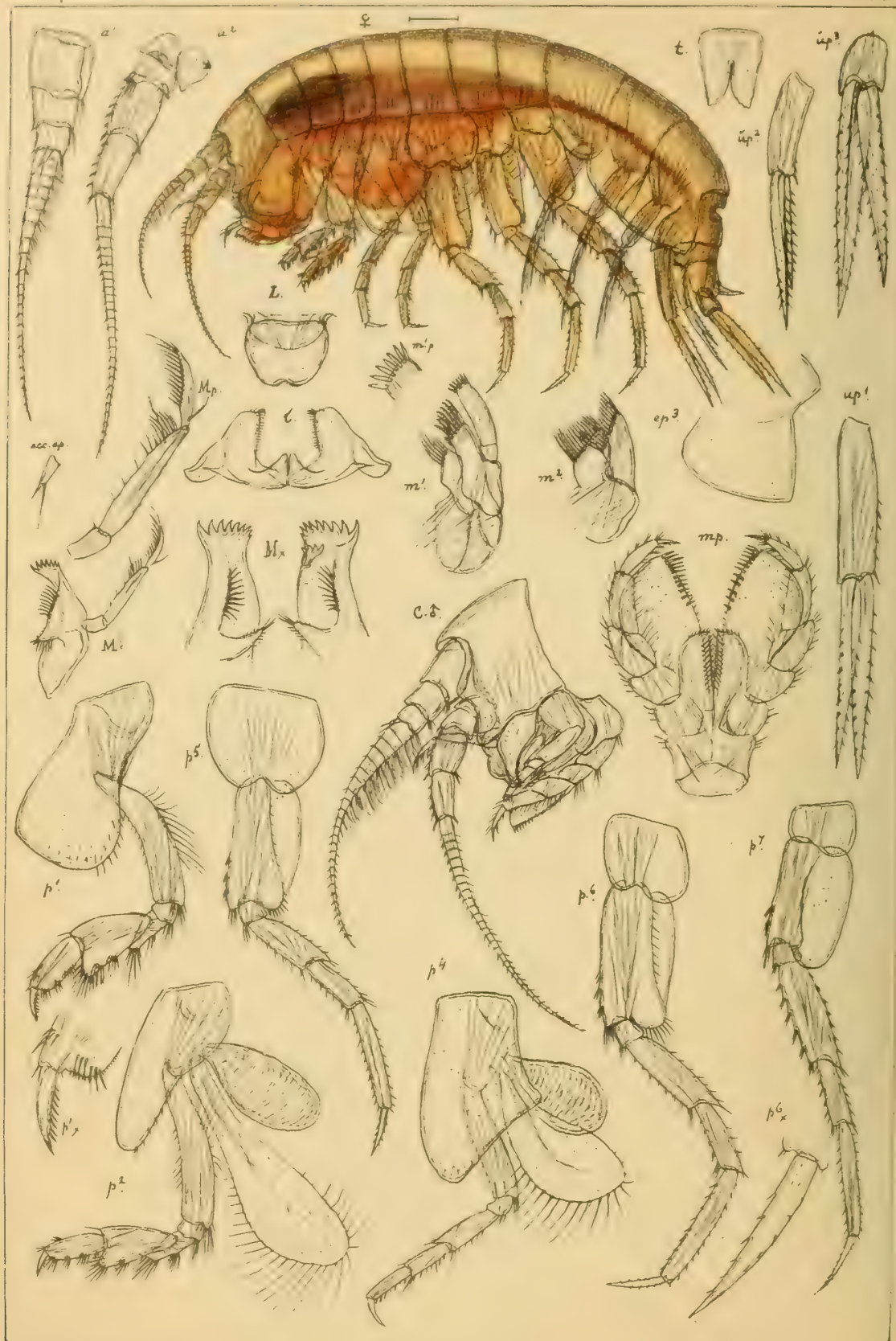
1. *Aspidopleurus gibbosus*, G.O.Sars.

2. *Andania abyss*, Boeck.



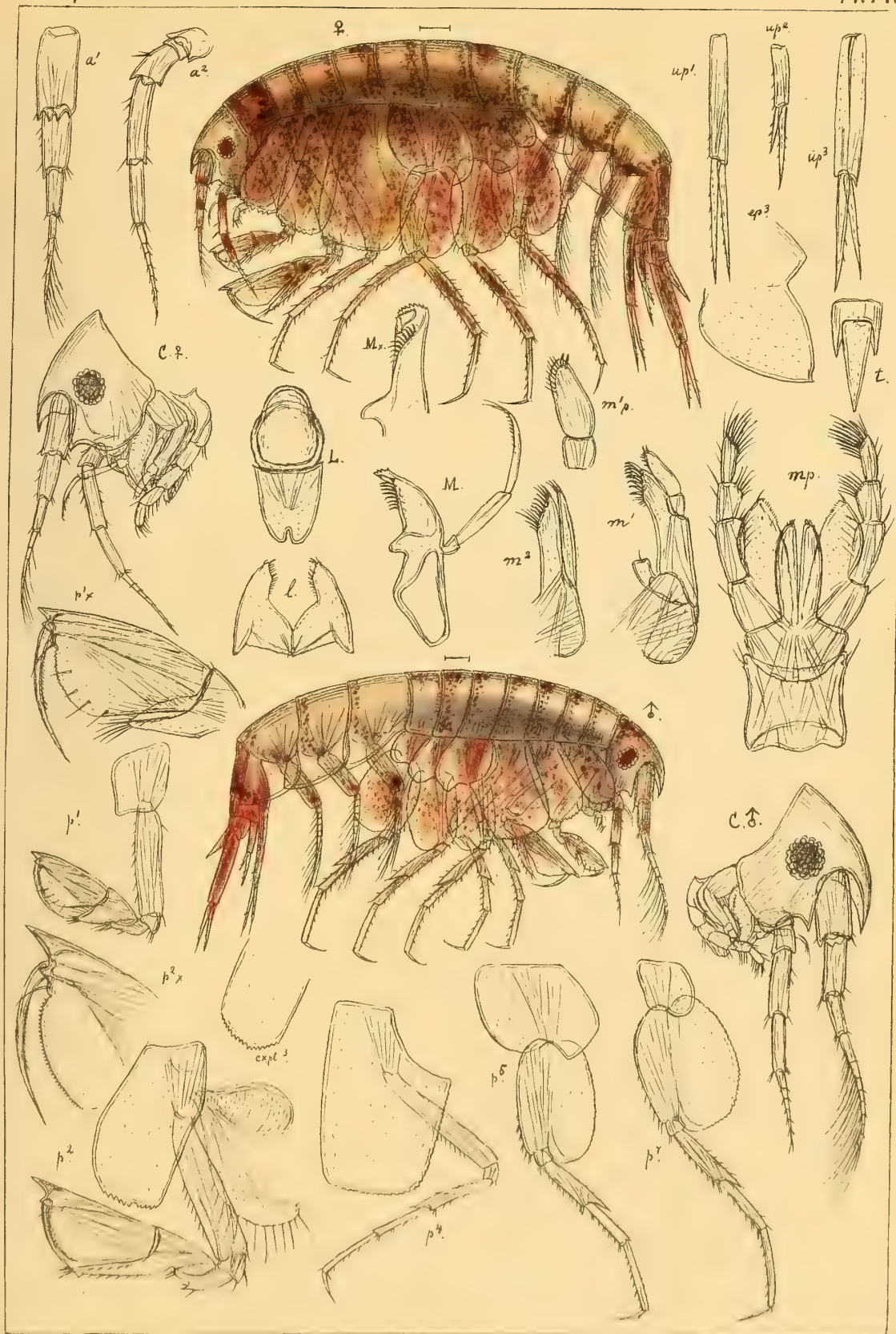
GO Sars autogr

1. *Andania abyssi*, Boeck.
2. *Andaniopsis nordlandica*, (Boeck.)
3. *Andaniella pectinata*, G.O.Sars.



G O Sars autogr.

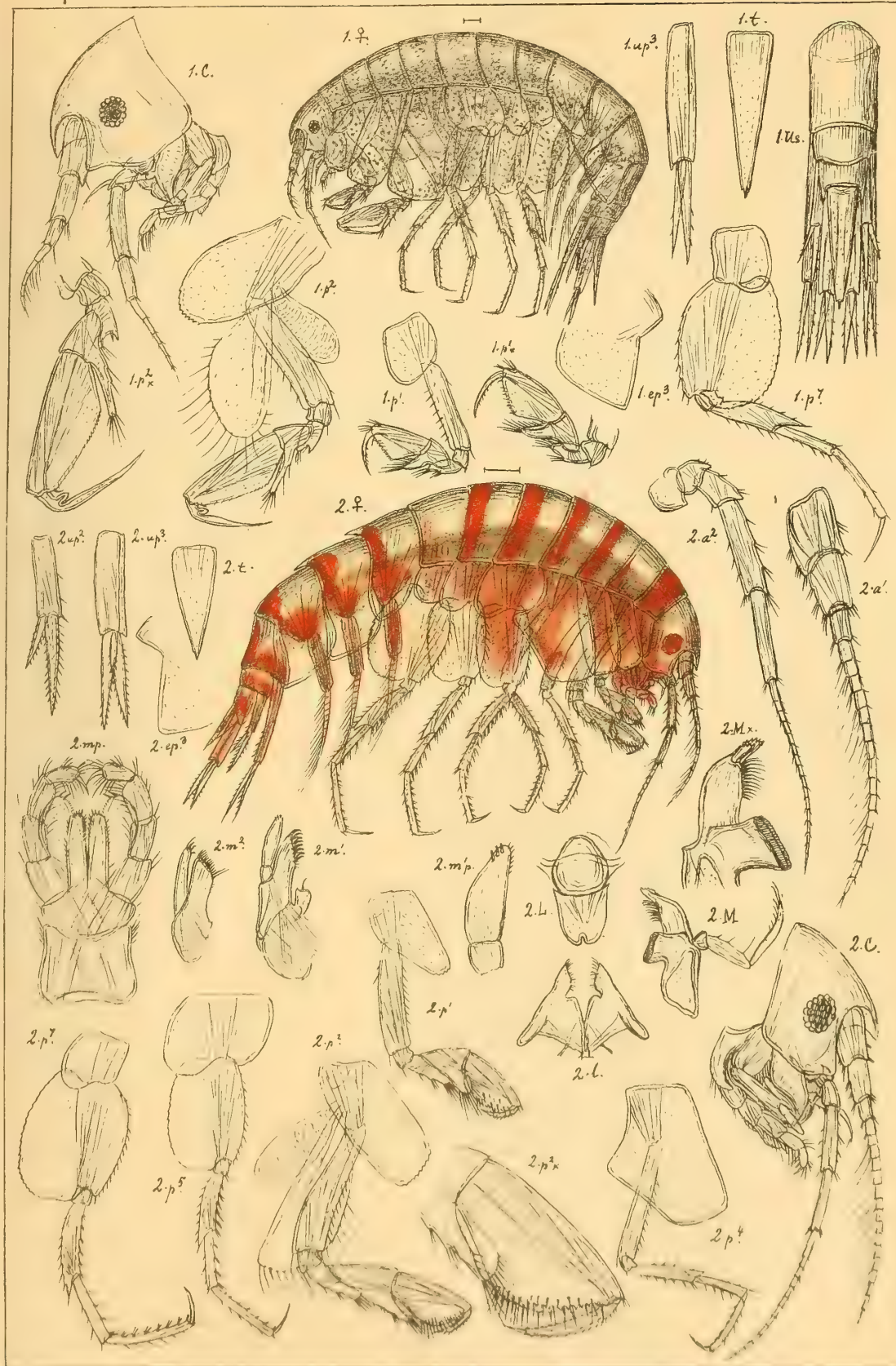
Astyra abyss, Boeck.





G O Sars autogr.

1. *Amphiloehus tenuimanus*, Boeck.2. *Amphiloehoides edentonyx* (Boeck).



G.O. Sars autogr.

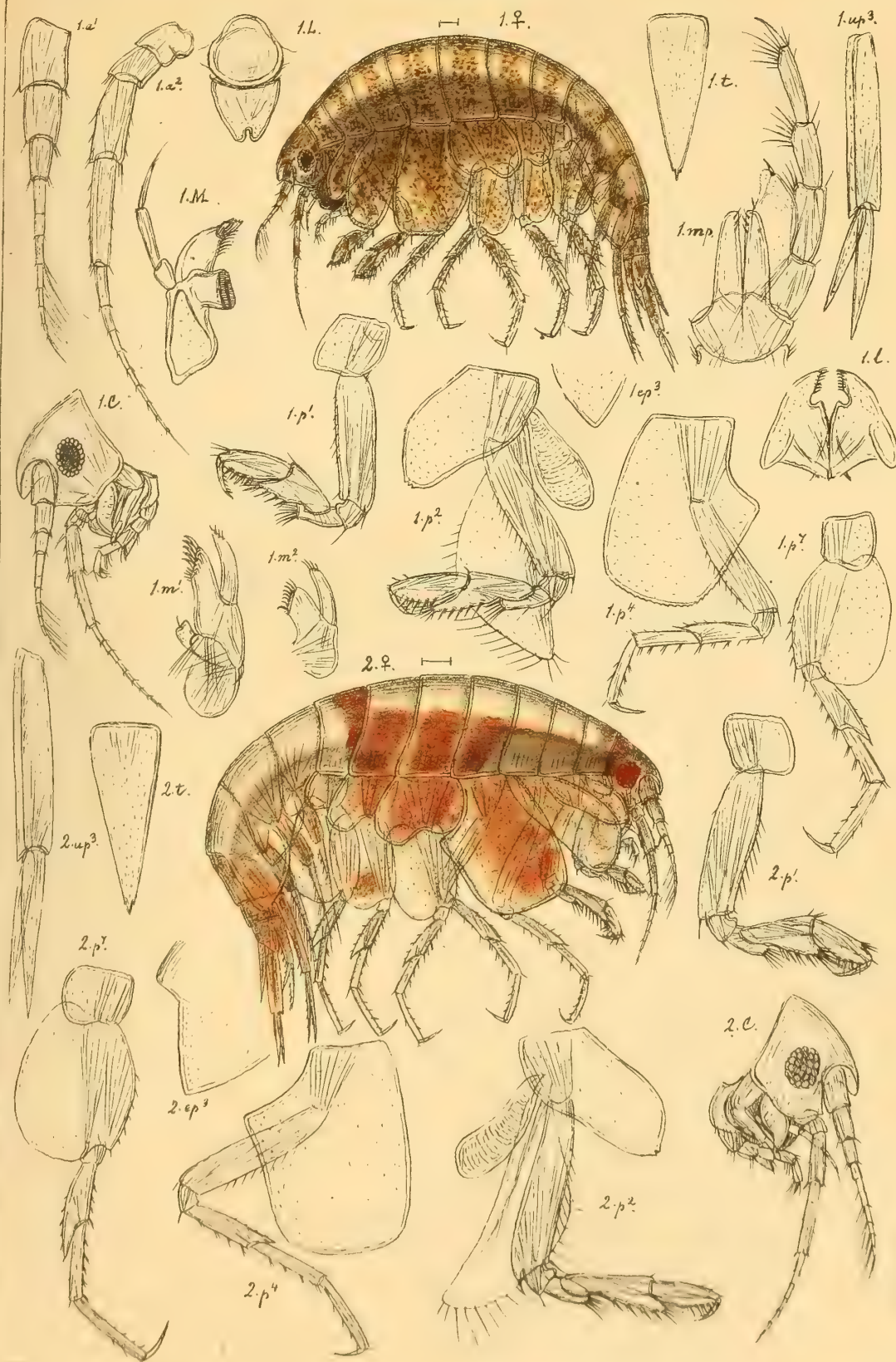
1. *Amphilochoides pusillus*, n. sp.

2. *Gitanopsis bispinosa*, (Boeck).



G.O.Sars autogr.

1. *Gitanopsis inermis*, G.O.Sars2. *Gitanopsis arctica*, n.sp.



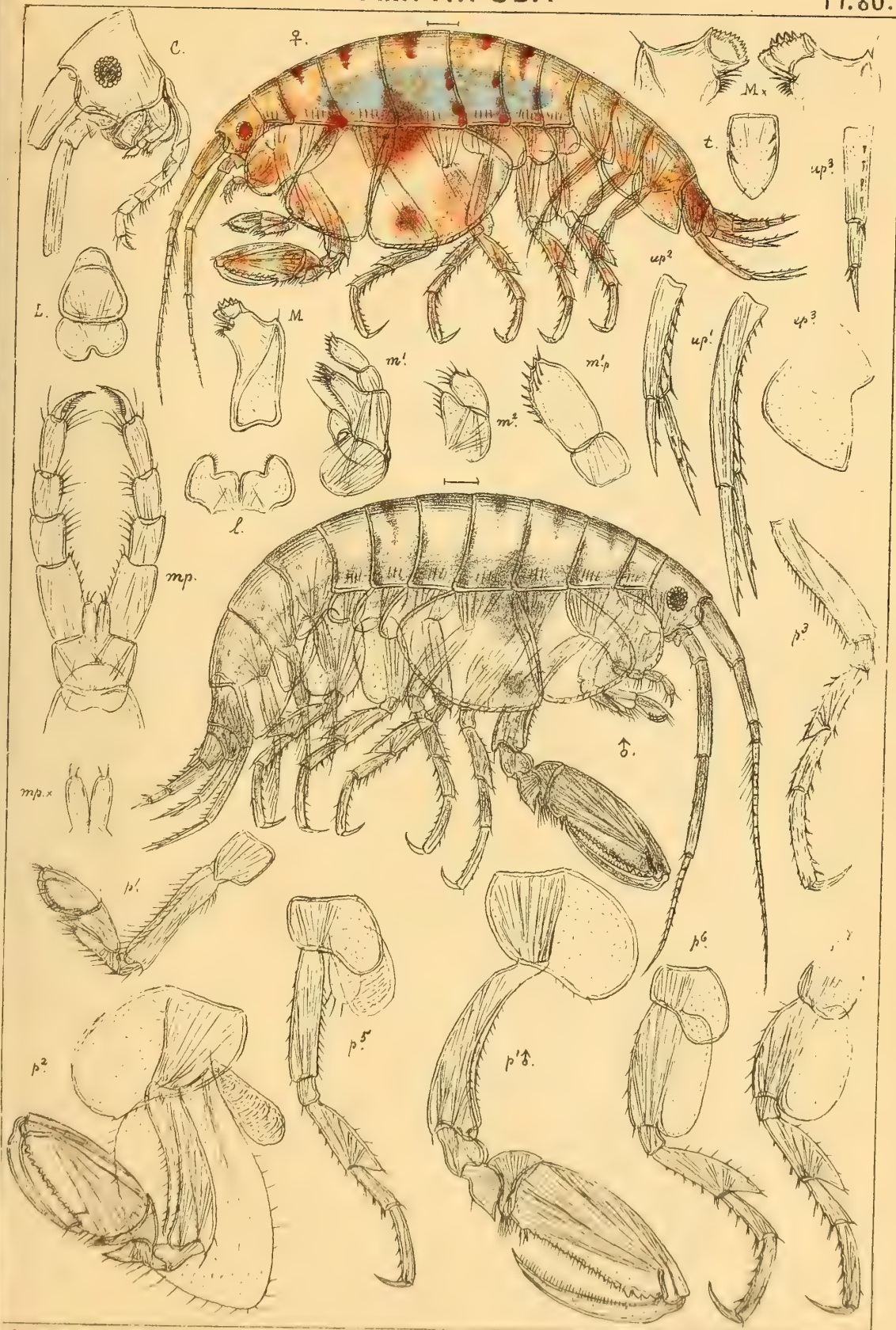
G.O. Sars autogr.

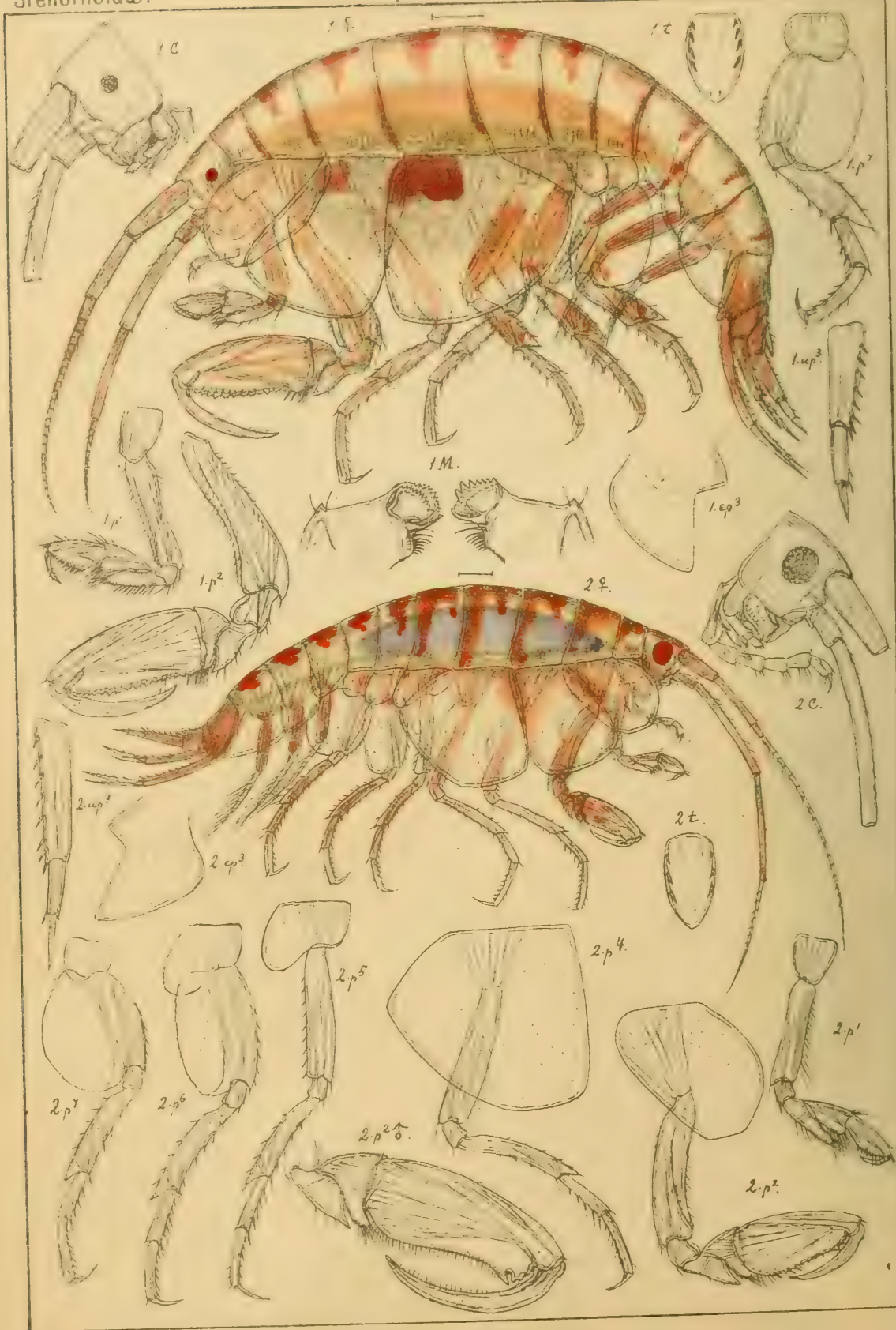
1. *Gitana Sarsii*, Boeck
 2. *Gitana abyssicola*, n.sp.



G.O.Sars autoogr.

1. *Gitana rostrata*, Boeck2. *Stegoplax longirostris*, G.O.Sars

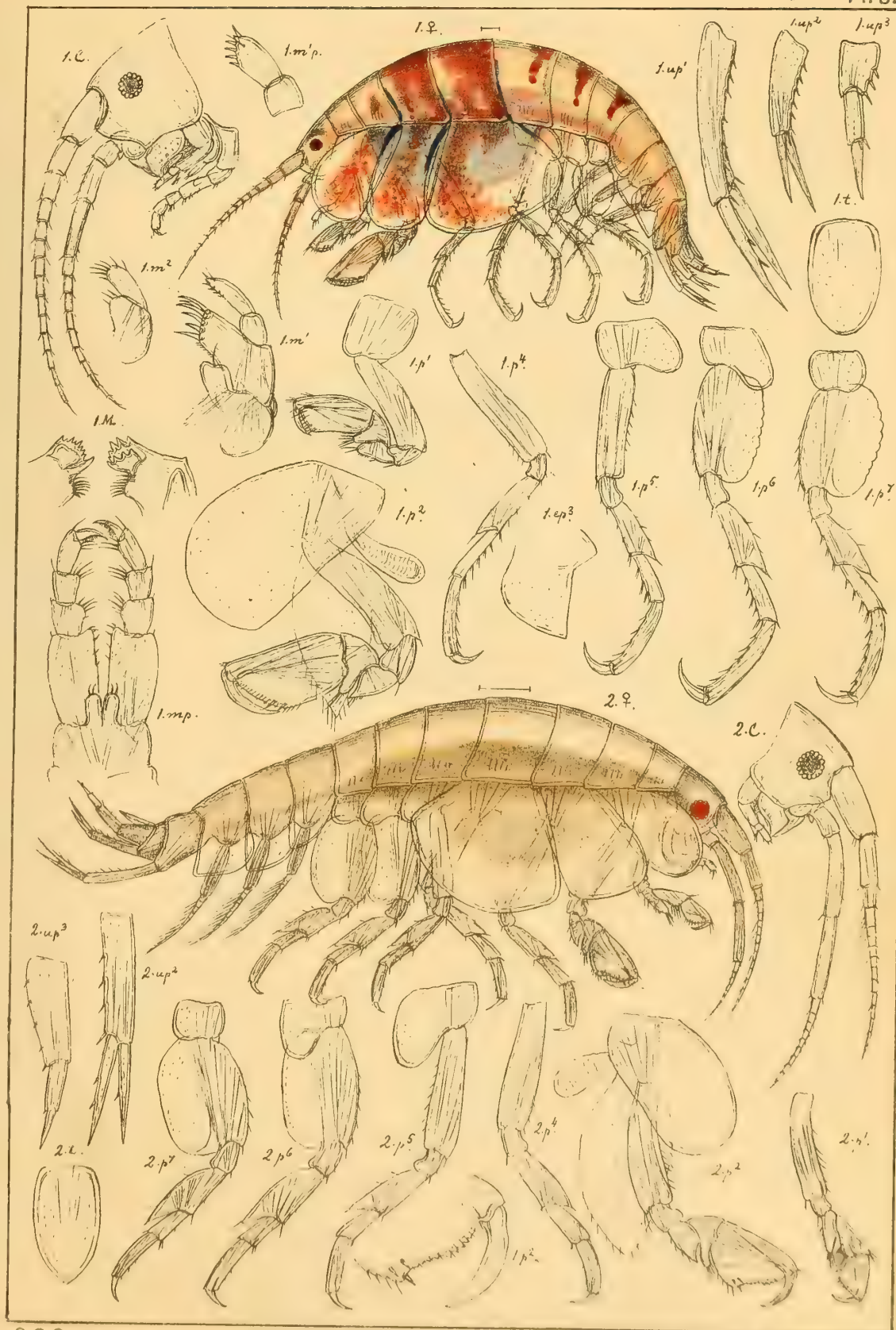




G.O. Sars autogr.

1. *Stenothoe microps*, n.sp.

2. *Stenothoe fenella*, G.O. Sars.

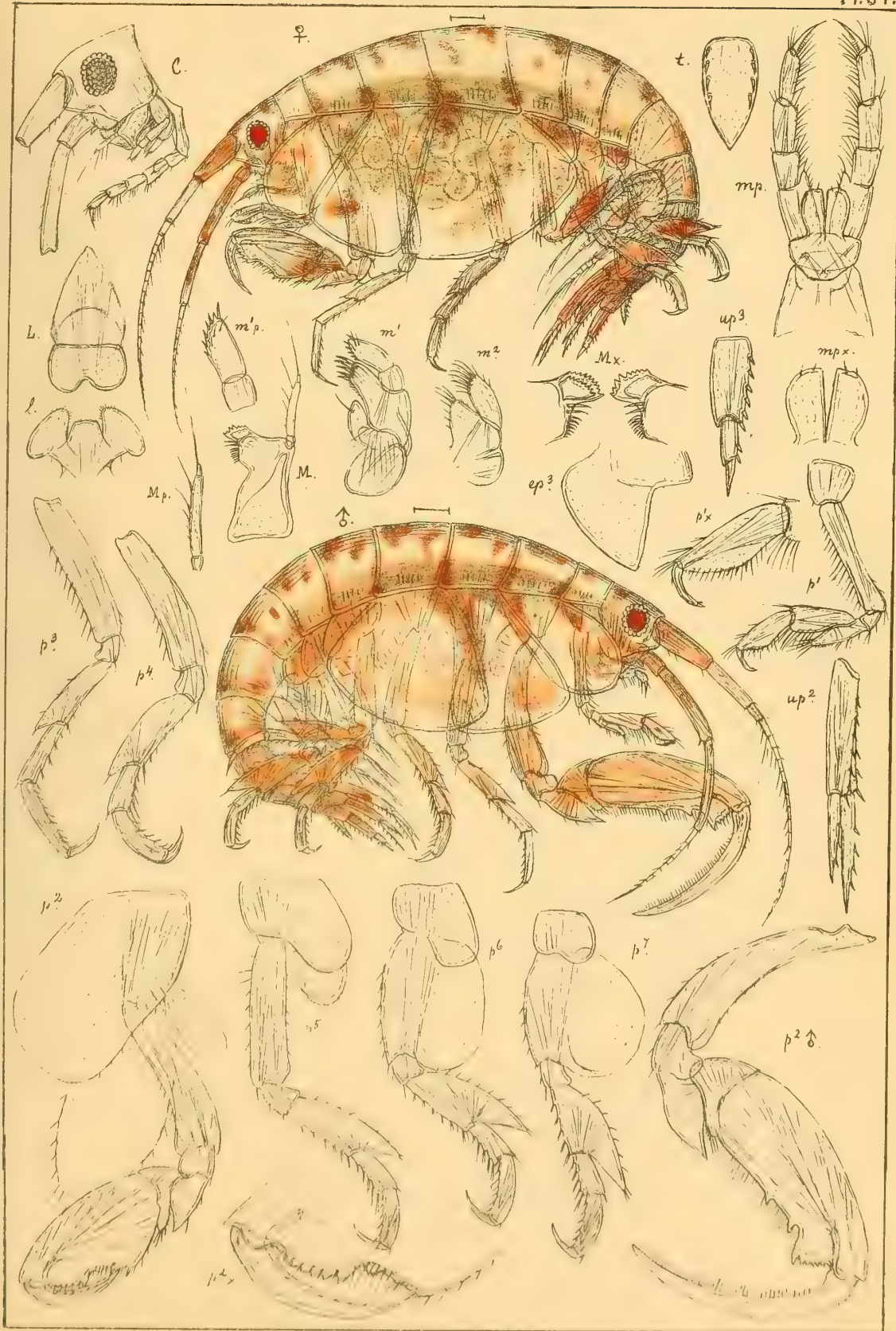


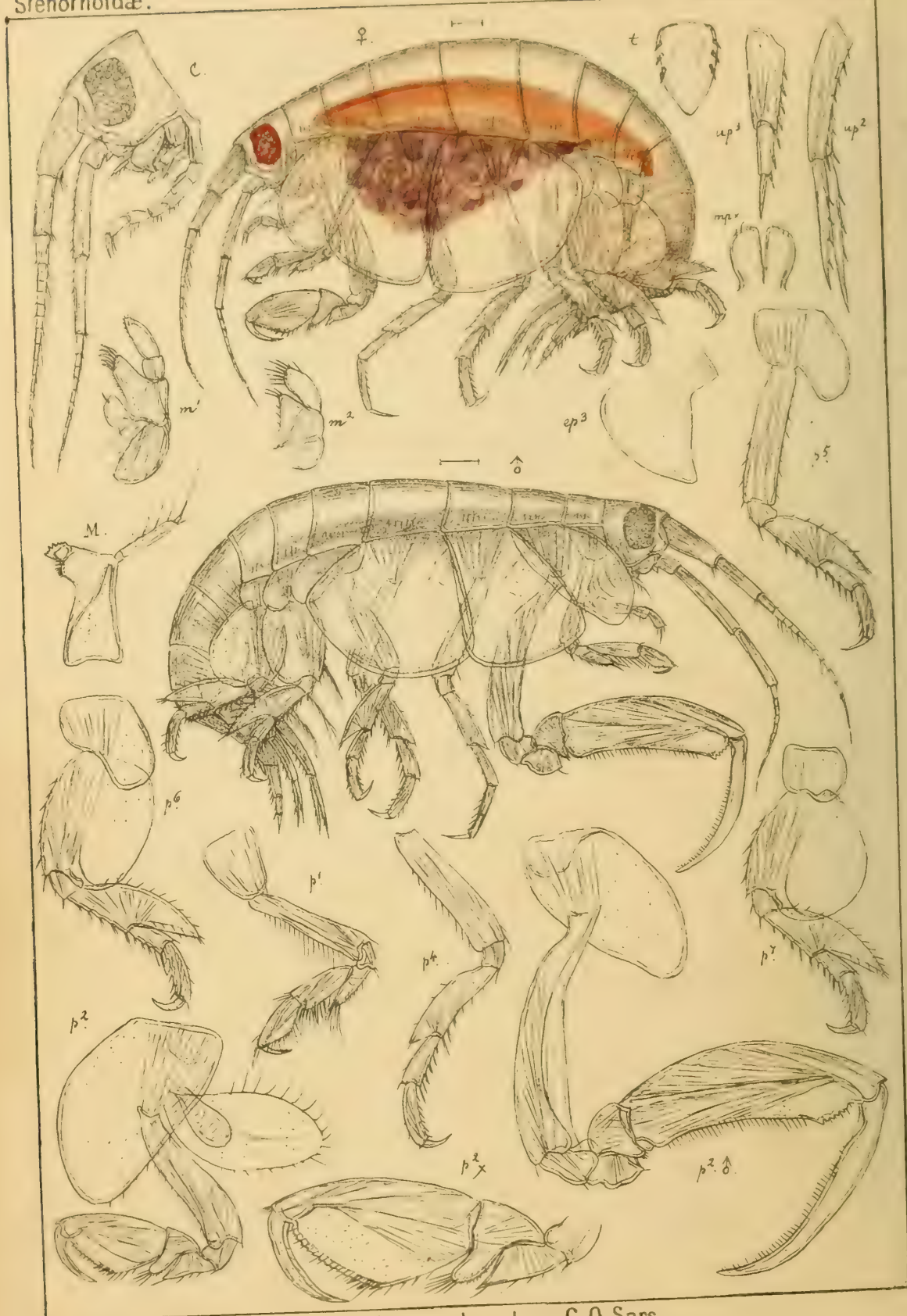
G.O. Sars autogr.

1. *Stenothoe monoculoides*, (Sp. Bate)

2. *Stenothoe brevicornis*, G.O. Sars.

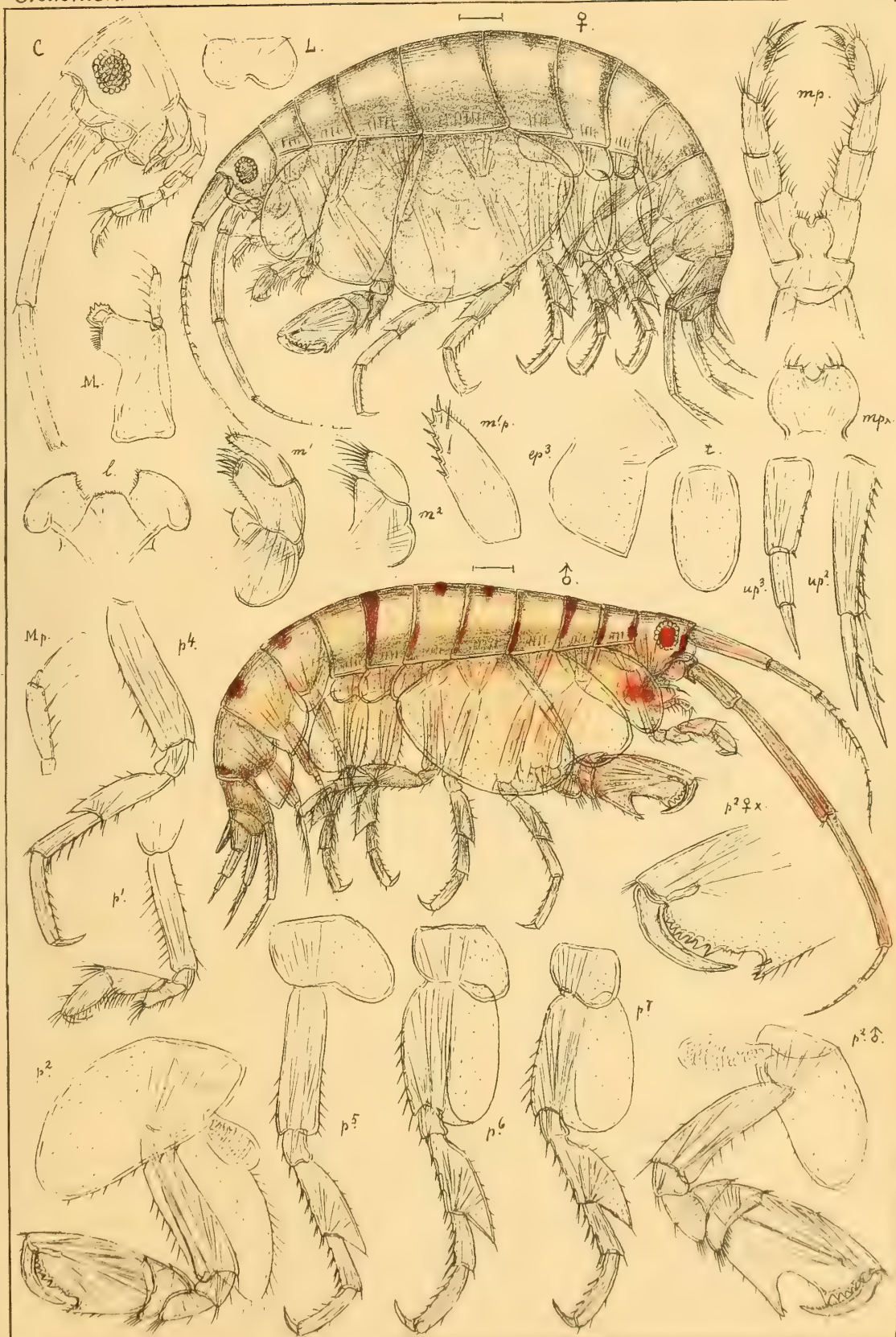






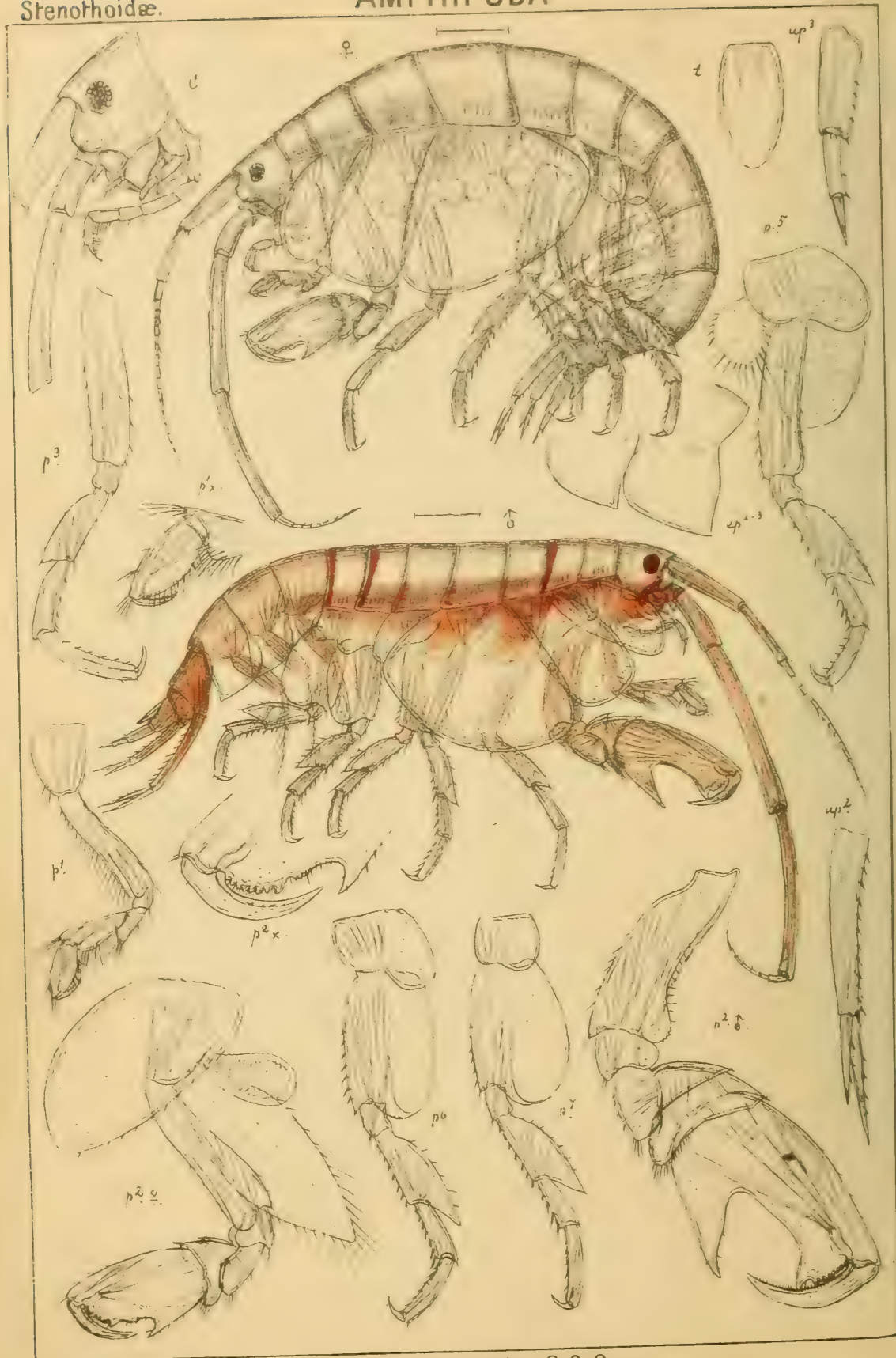
G.O. Sars autogr.

Probolium calcaratum, G.O. Sars



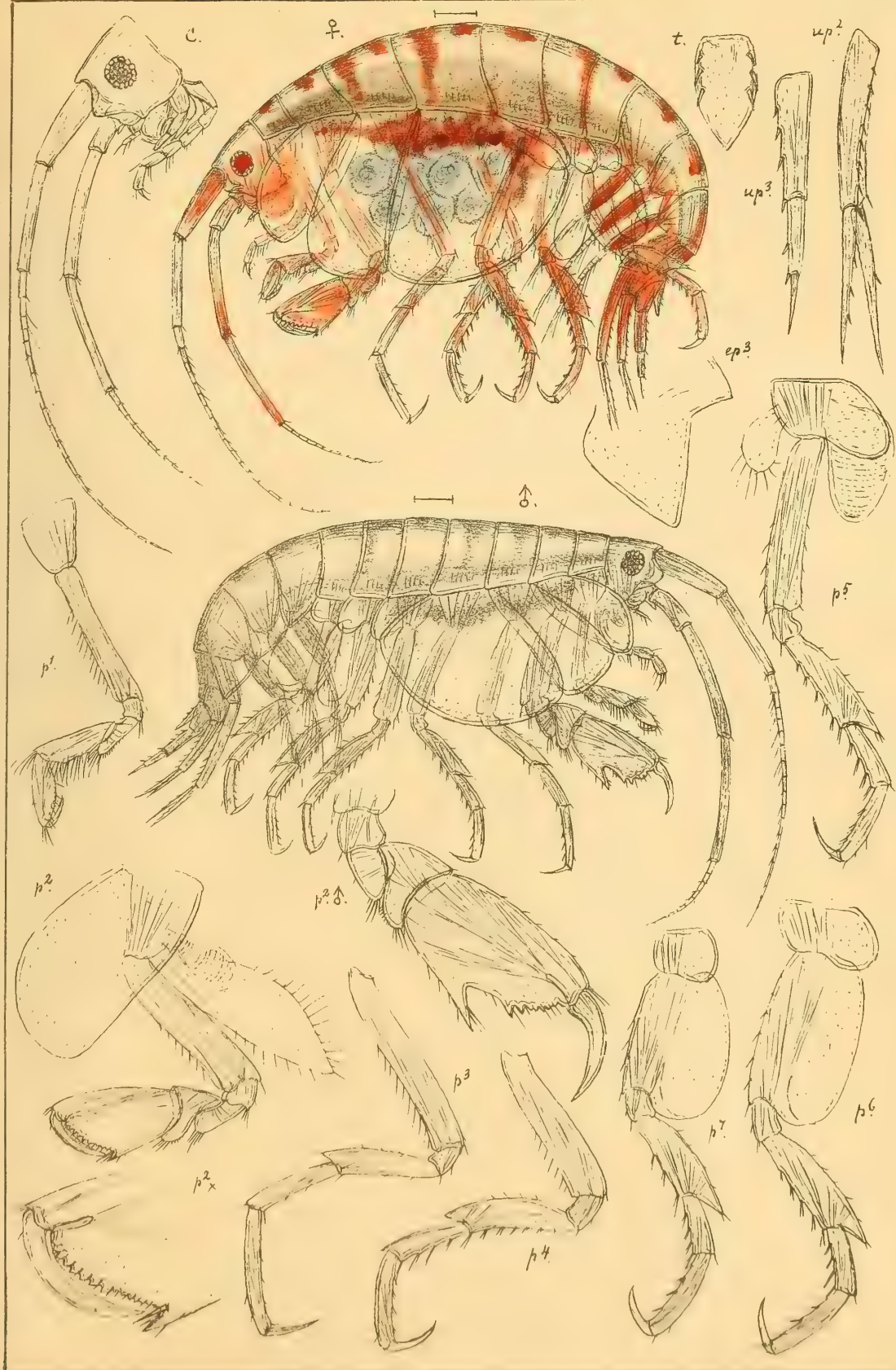
G.O. Sars autogr.

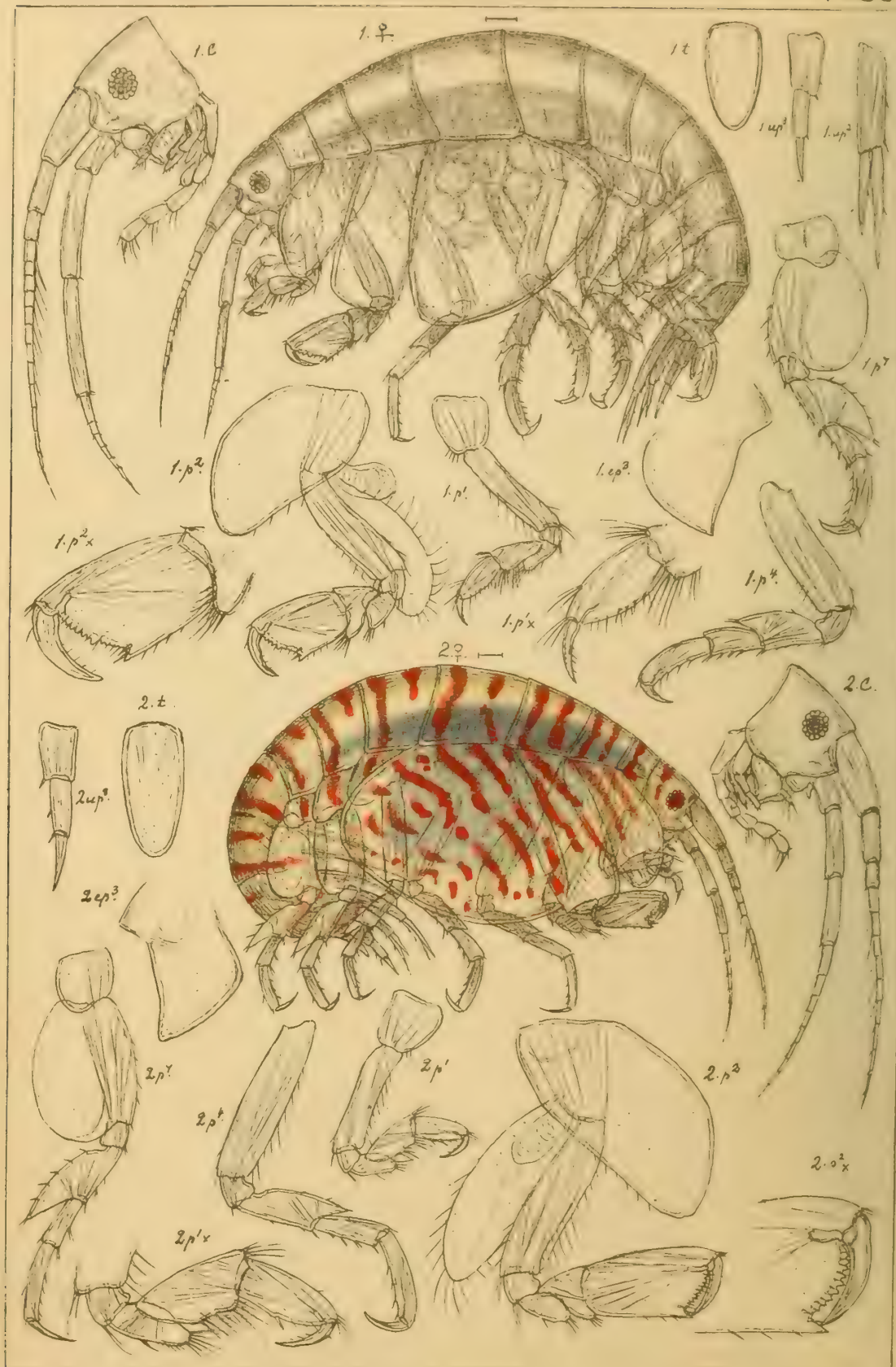
Metopa Alderi, (Sp. Bate)



G.O. Sars autogr.

Metopa spectabilis, G.O. Sars

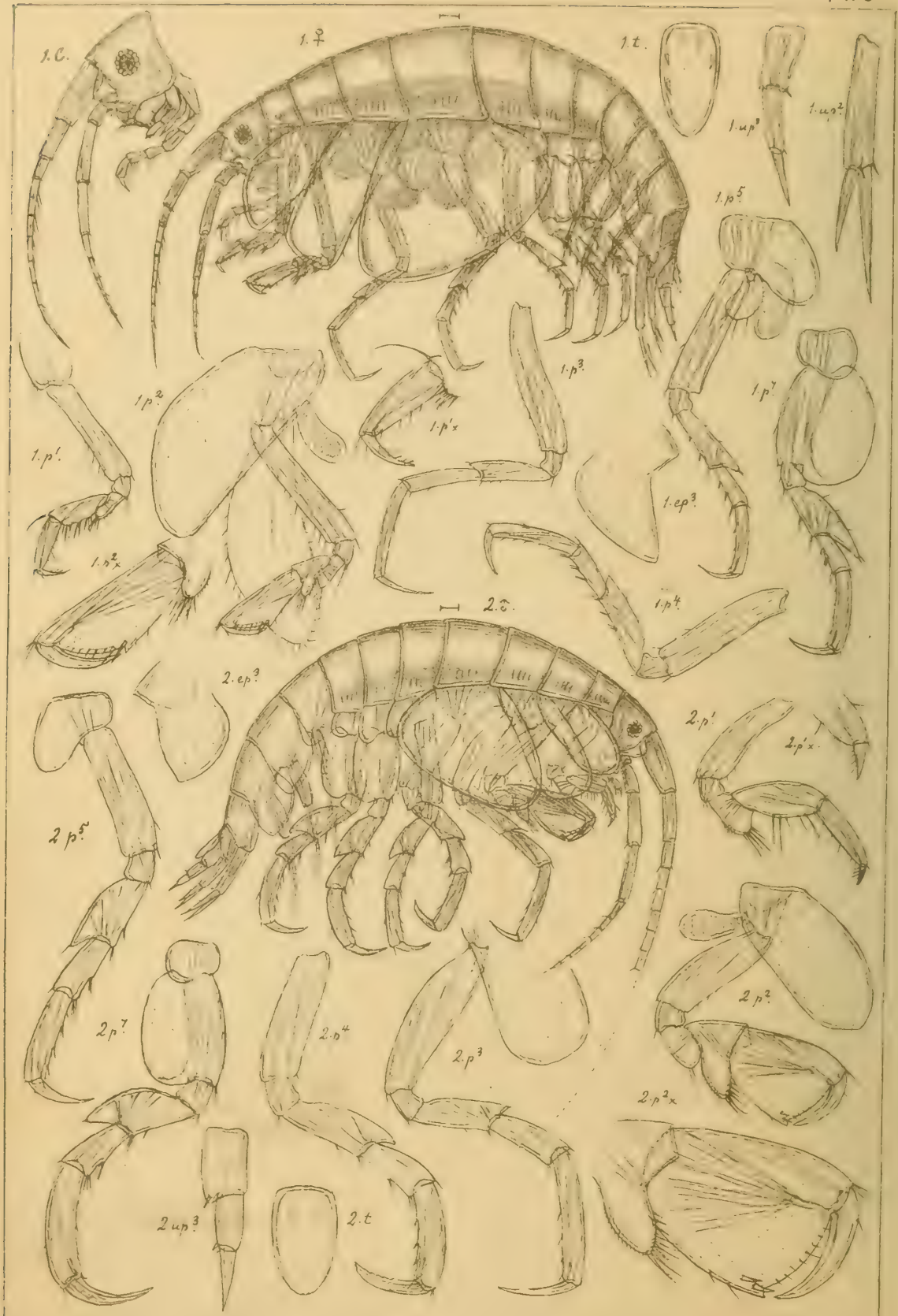




G.O.Sars autogr.

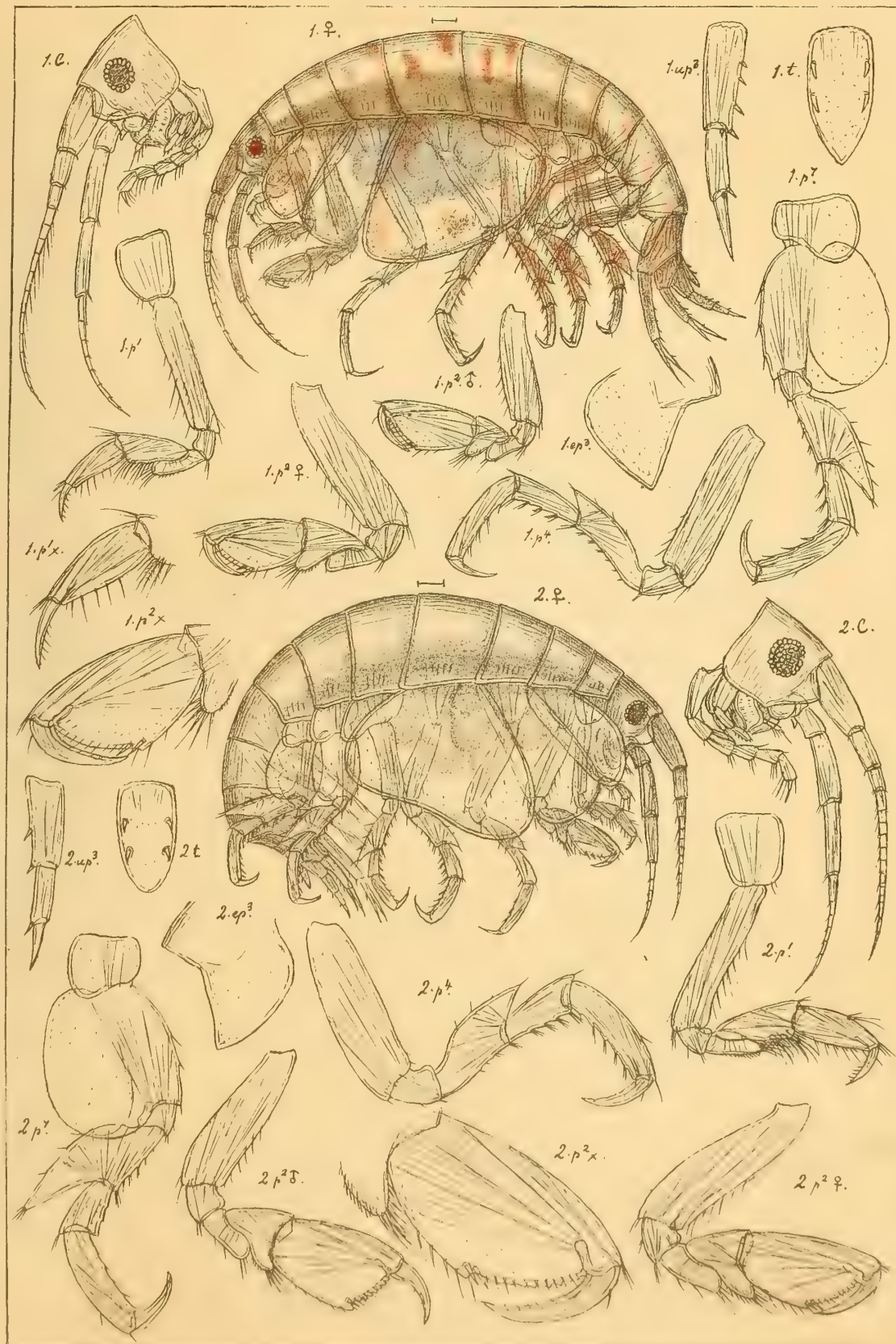
1. *Metopa borealis*, G.O. Sars.

2. *Metopa rubrovittata*, G.O. Sars.



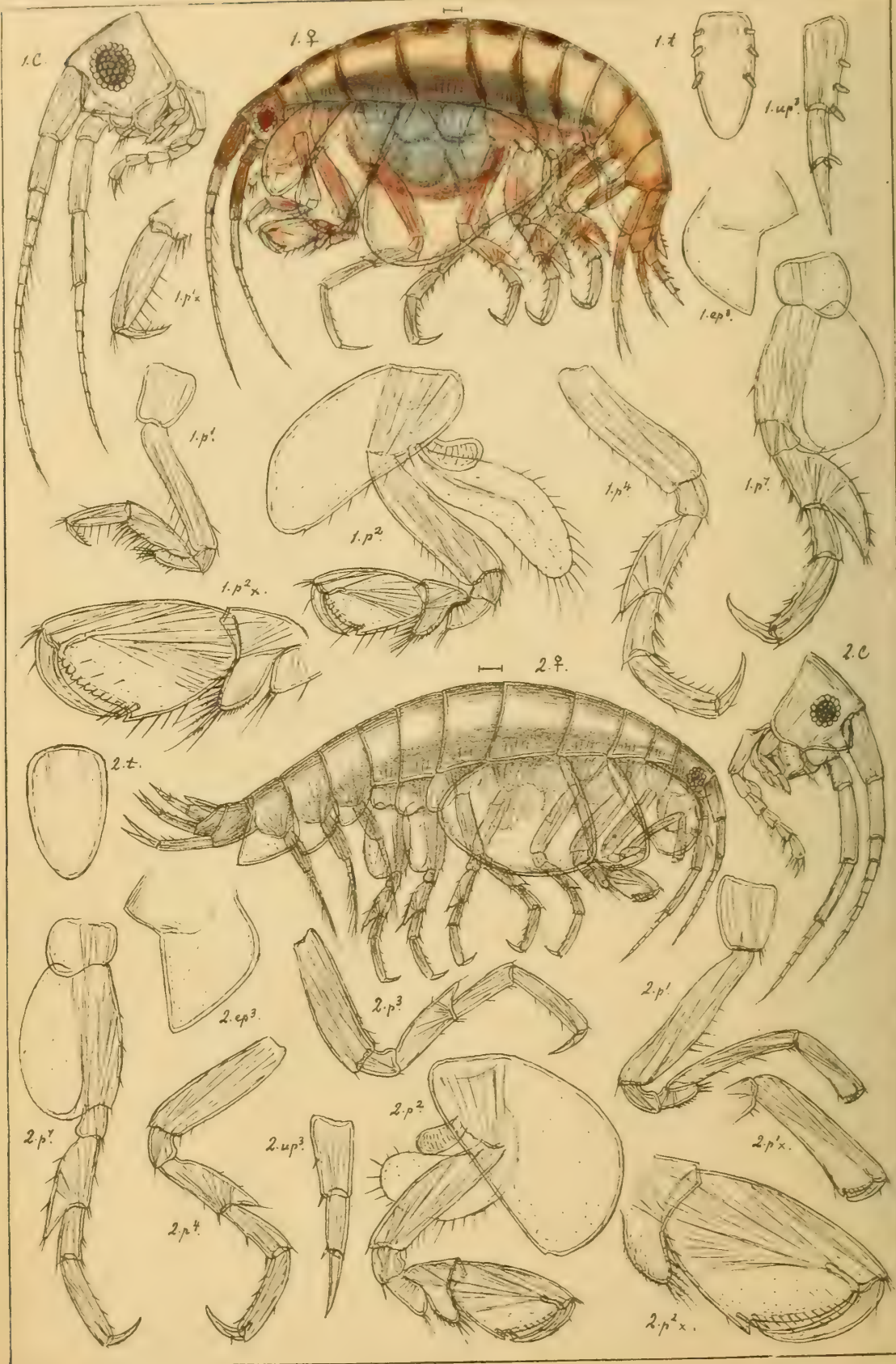
G.O.Sars autogr.

1. *Metopa tenuimana*, n. sp.
 2. *Metopa affinis*, Boeck.



G.O.Sars autogr.

1. *Metopa Bruzelii*, Goës.2. *Metopa sinuata*, n. sp.



G.O.Sars autogr.

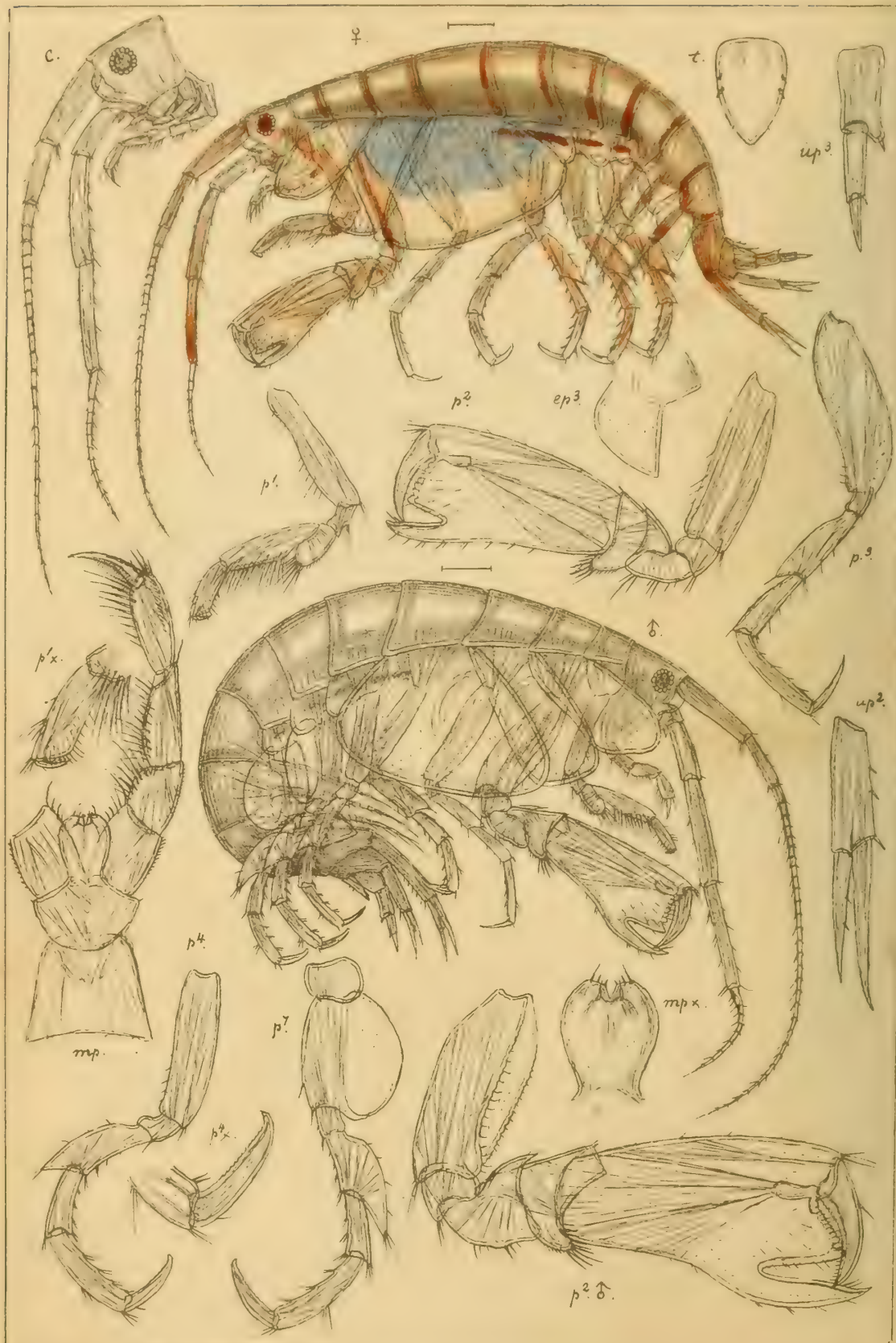
1. *Metopa propinqua*, n. sp.

2. *Metopa leptocarpa*, G.O.Sars.



G.O. Sars autogr.

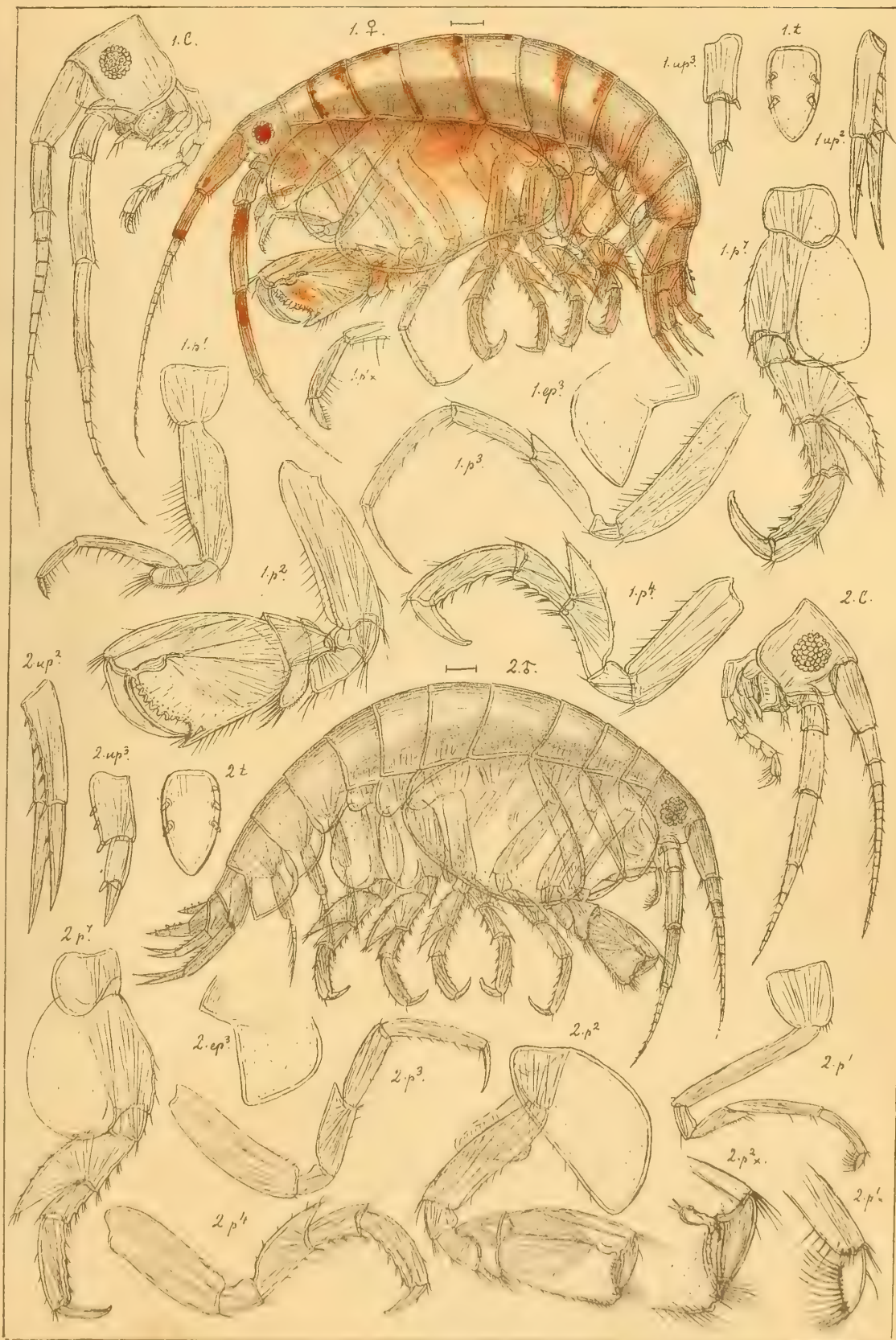
1. *Metopa Sölsbergi*, Schneider.
 2. *Metopa invalida*, n. sp.



G.O. Sars autogr.

Metopa pollexiana, (Sp. Bate.)

Metopa (Zinn)



G.O. Sars autogr.

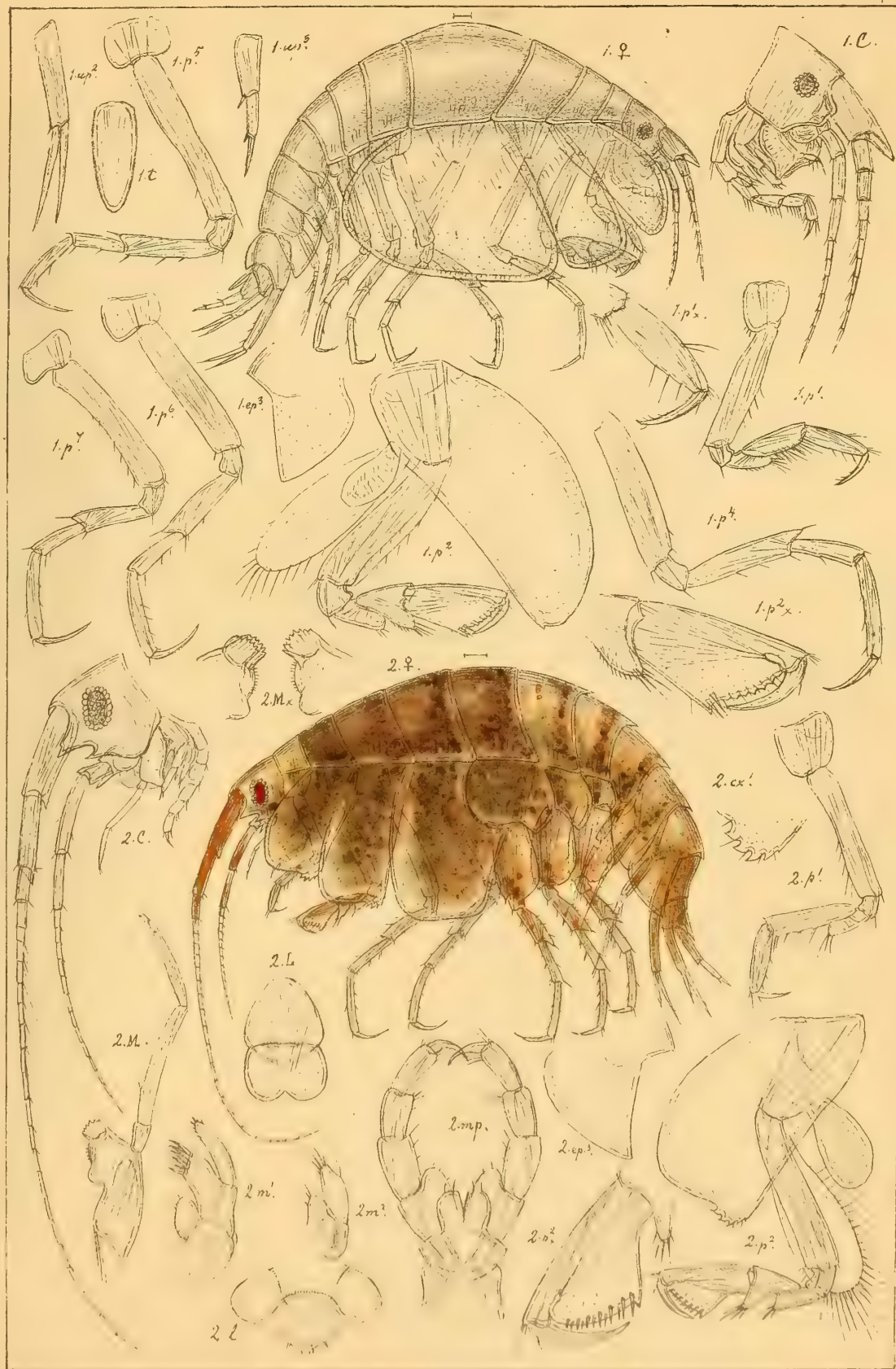
1. *Metopa robusta*, n. sp.

2. *Metopa palmata*, n.sp.



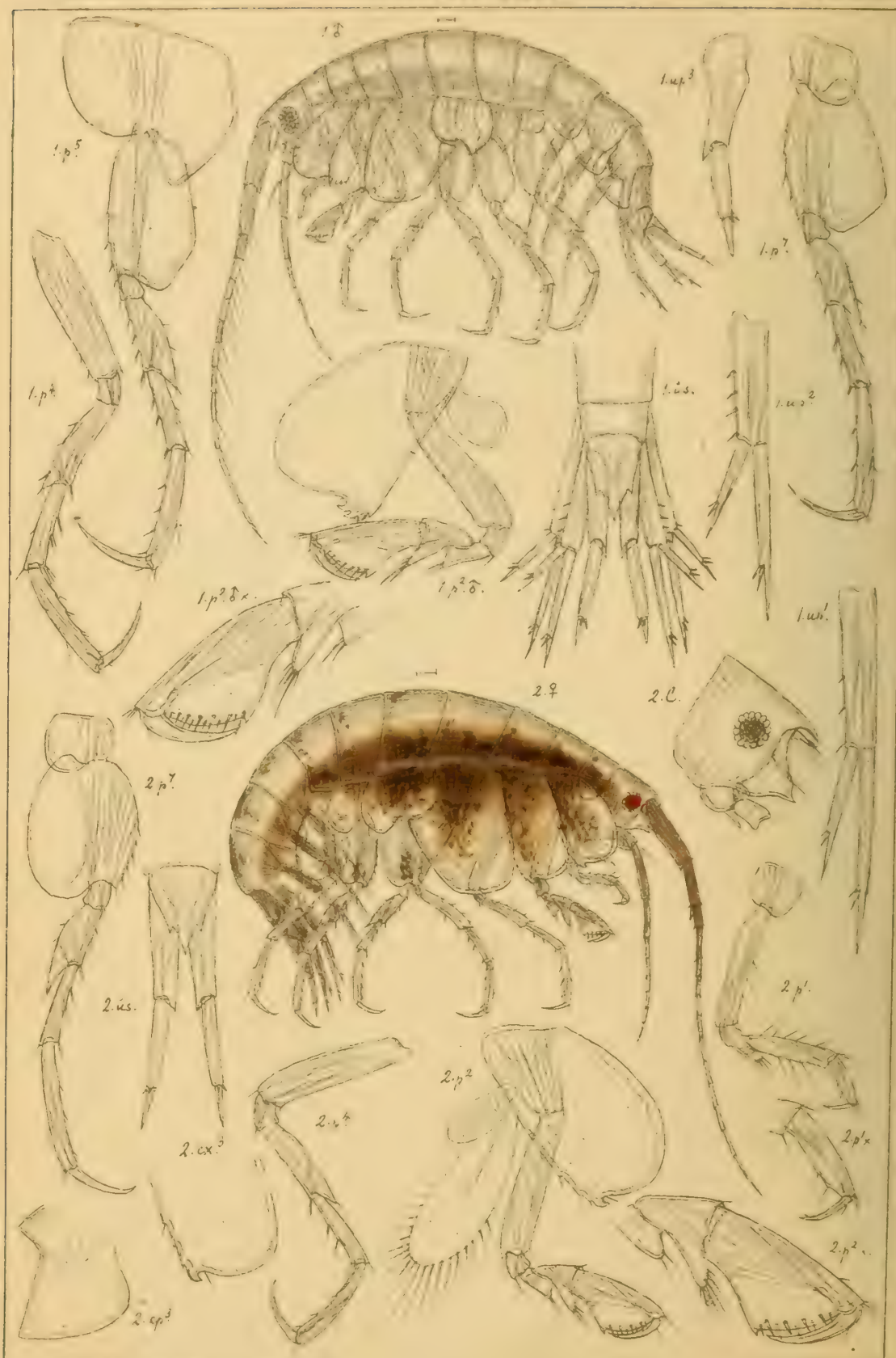
G.O. Sars autogr.

1. *Metopa longimana*, Boeck.
2. *Metopa neglecta*, Hansen.



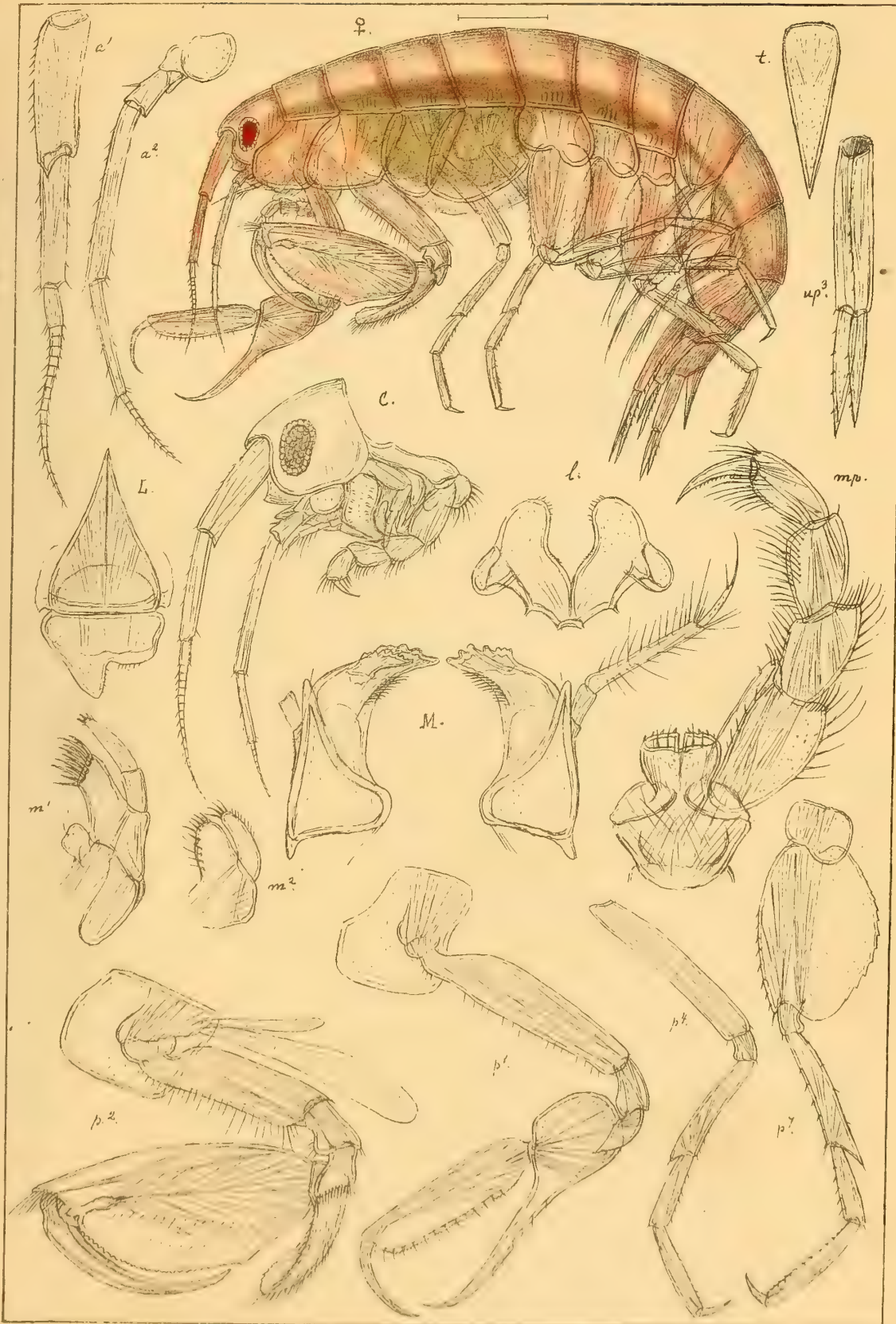
G.O.Sars autogr.

1. *Metopa nasuta*, (Boeck.2. *Cressa dubia*, (Sp. Bate).



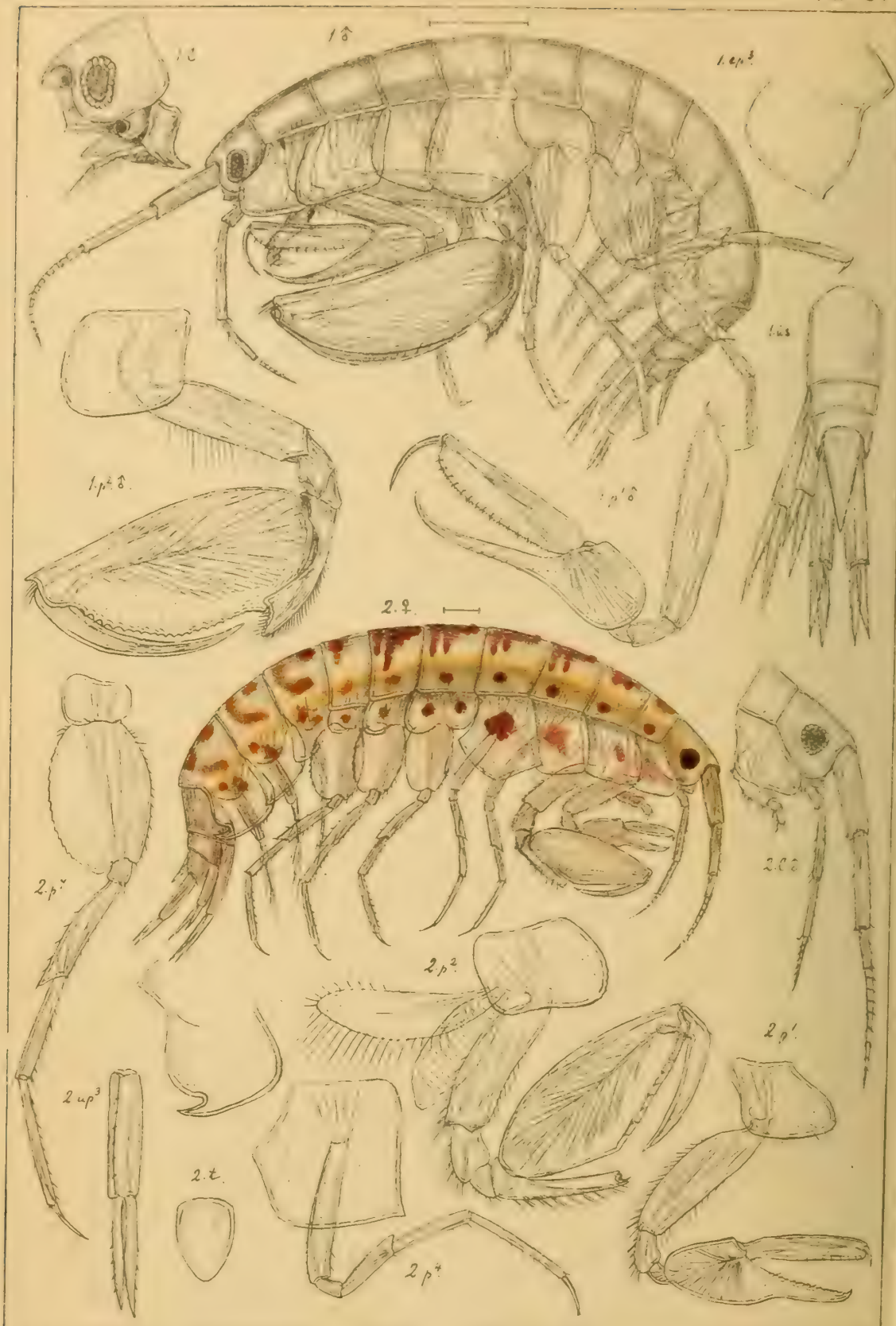
G.O.Sars autogr.

1. *Cressa dubia*, (Sp. Bate).
2. *Cressa minuta*, Boeck.



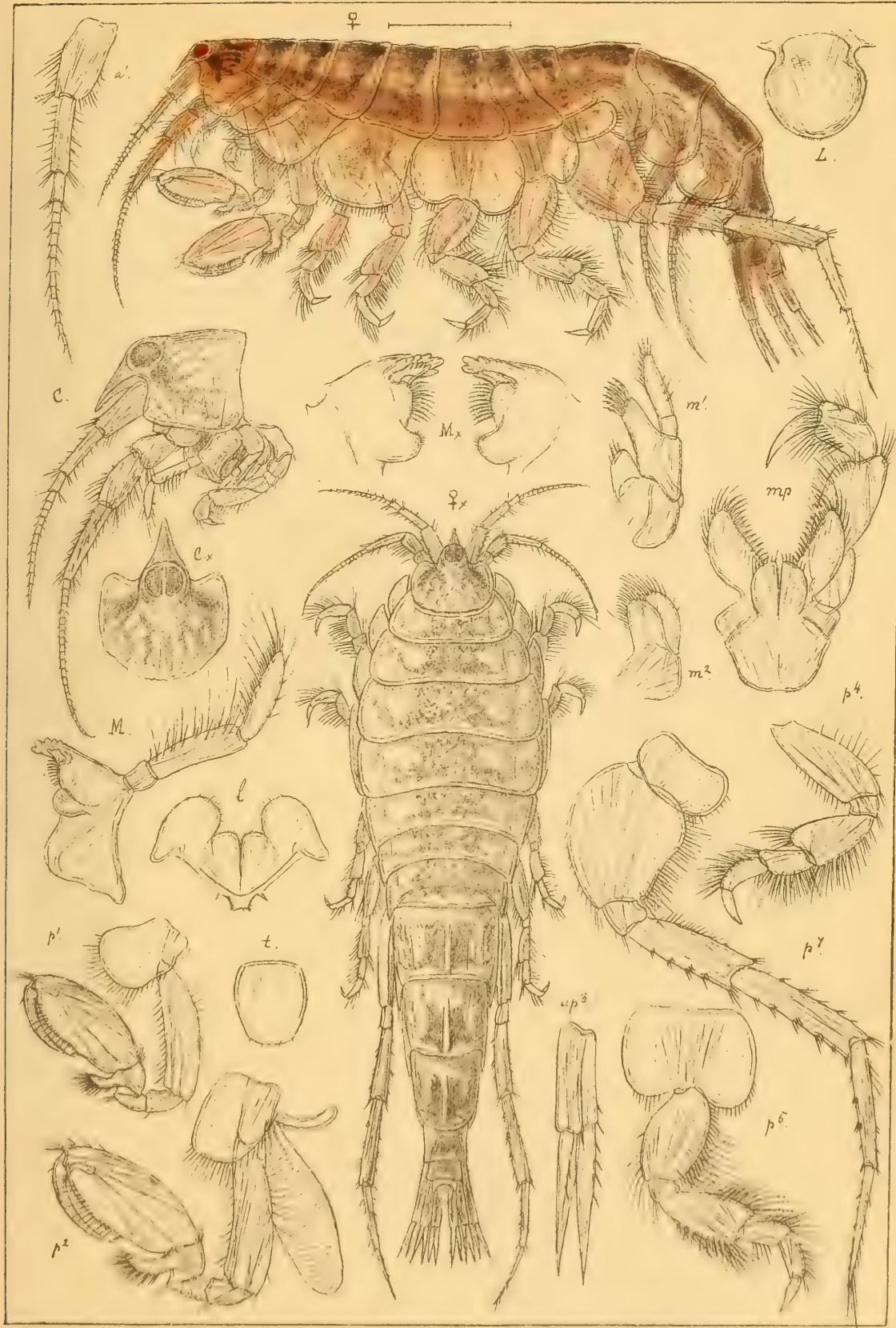
G.O.Sars autogr.

Leucothoe articulosa (Abildg.)



G O Sars autogr.

1. *Leucothoe articulosa*, Abildg. ♂
2. *Leucothoe imparicornis*, Norm.
Leucothoe imparicornis Norm.



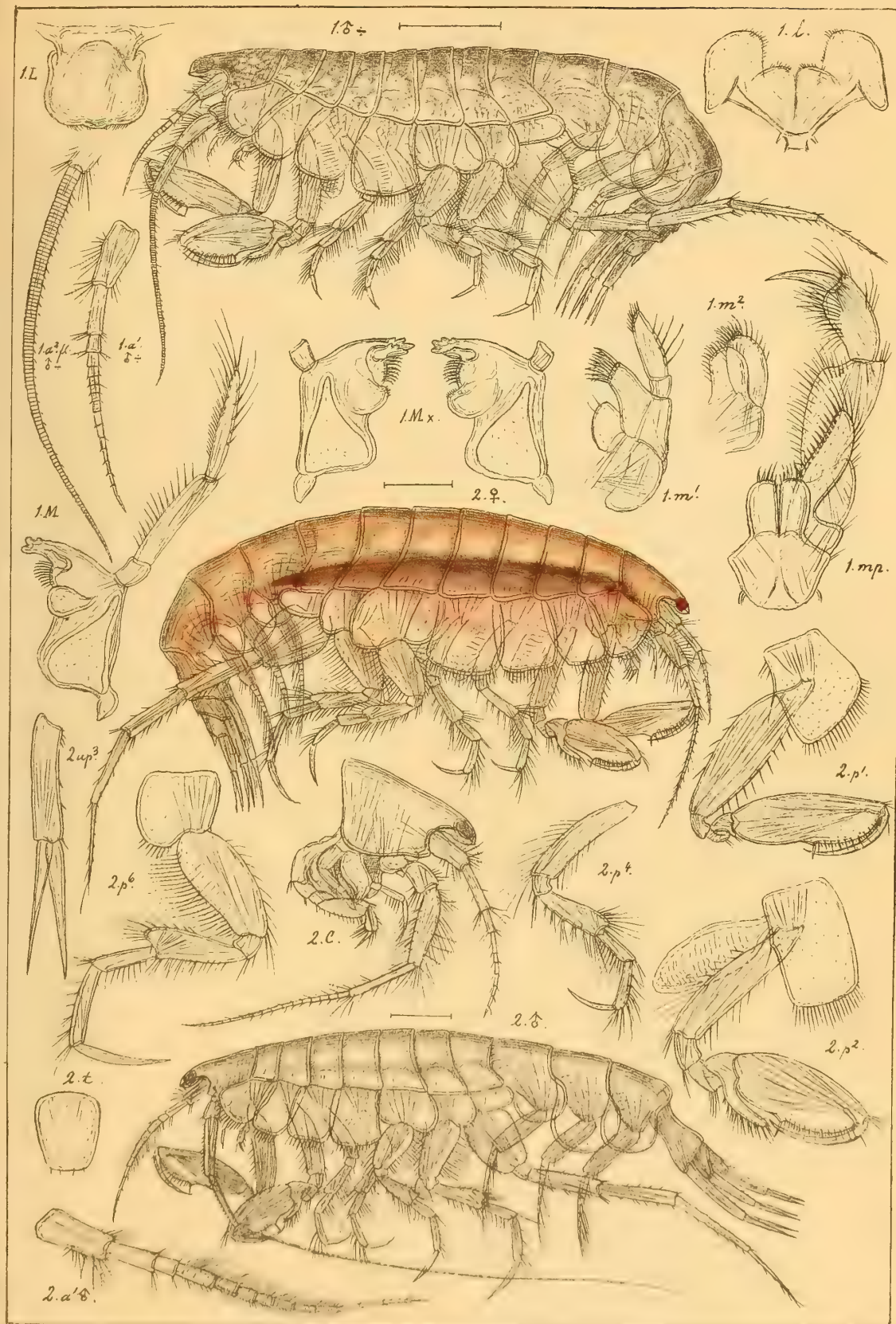
G.O.Sars autogr.

Oedicerus saginatus, Kröyer.



G.O. Sars autogr.

1. *Oediceros borealis*, Boeck.
2. *Paroediceros lynceus*, (M. Sars).



G.O. Sars autogr.

1. *Paroediceros lynceus*, (M. Sars).
2. *Paroediceros propinquus*, (Goës).



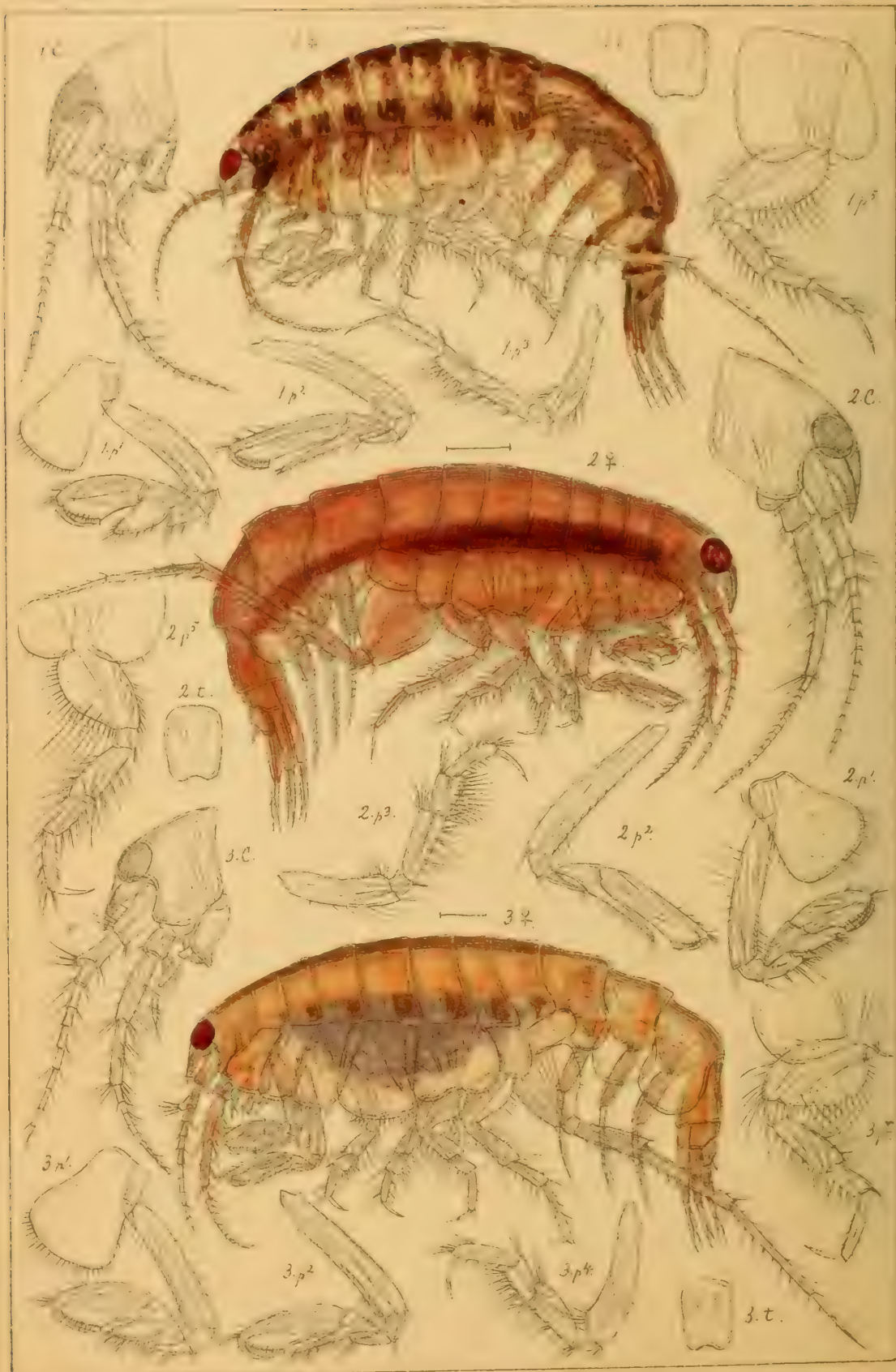
G.O. Sars autogr.

Monoculodes carinatus, Sp. Bate



C.O. Sars autogr

1. *Monoculodes tessellatus*, Schneider.2. *Monoculodes borealis*, Boeck.3. *Monoculodes pallidus*, n.sp.



G.O.Sars autogr. 1. *Monoculodes norvegicus*, Boeck.
 2. *Monoculodes falcatus*, n.sp.
 3. *Monoculodes tuberculatus*, Boeck.



G.O.Sars autogr.

1. *Monoculodes latimanus*, (Goës.)2. *Monoculodes Krøyeri*, Boeck.3. *Monoculodes longirostris*, (Goës.)



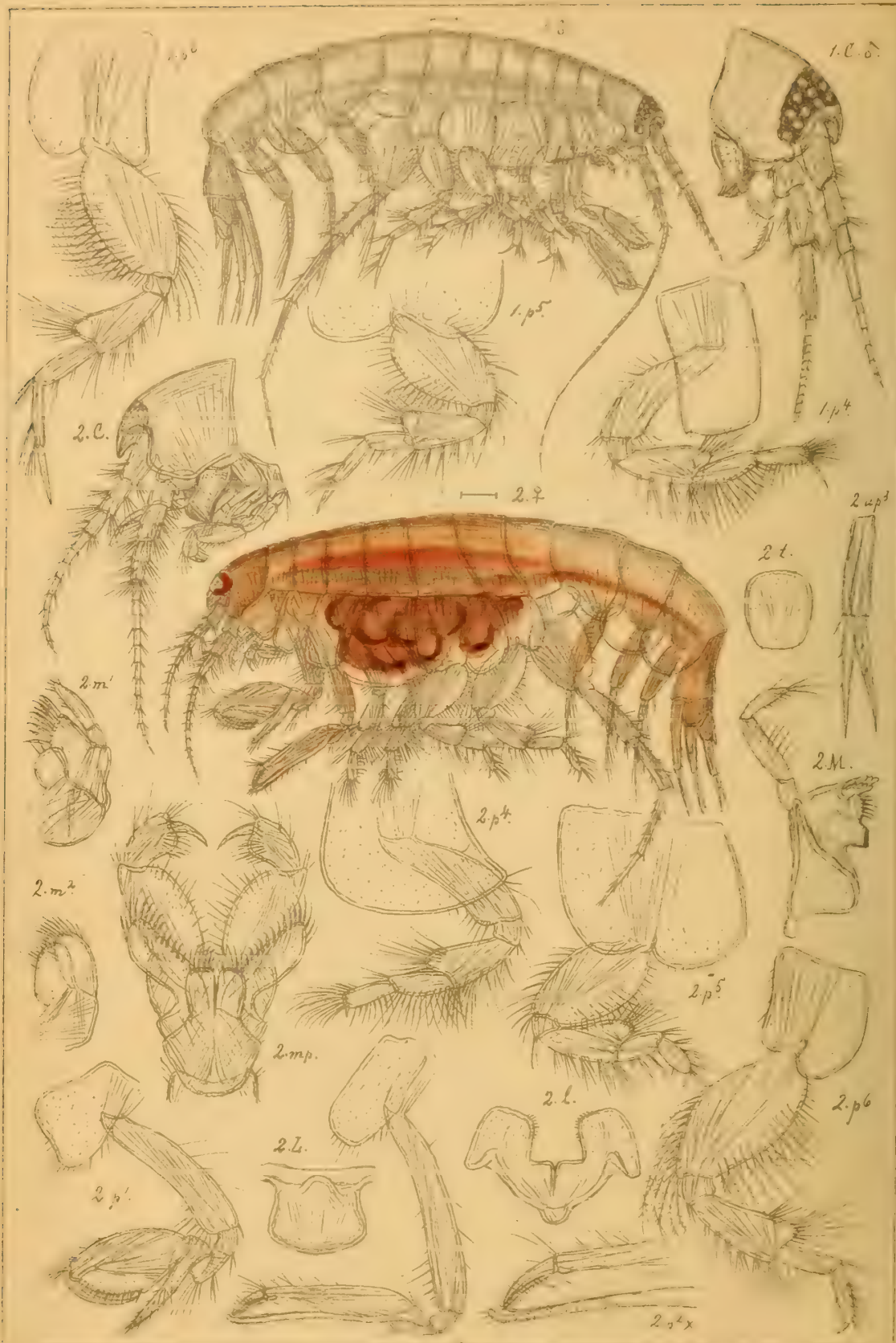
G.O Sars autogr.

1. *Monoculodes packardii*, Boeck =2. *Monoculodes tenuirostratus*, Boeck.



G.O.Sars autogr.

1. *Monoculopsis longicornis* (Boeck)
2. *Periculodes longimanus*, (Sp. Bate.)



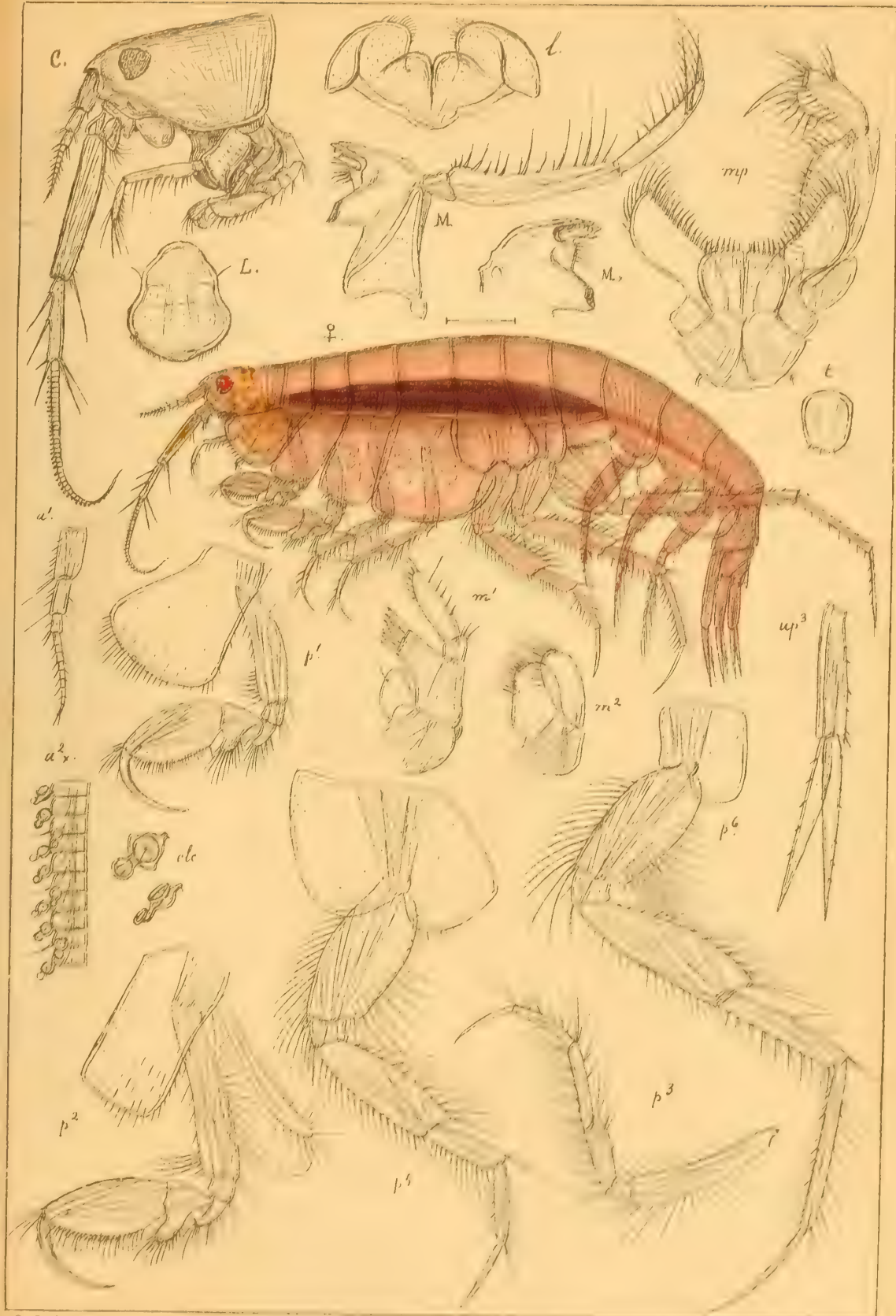
1. *Perioculoides longimanus*, (Sp. Bate.)

2. *Pontocrates norvegicus*, Boeck.

auth. Sars

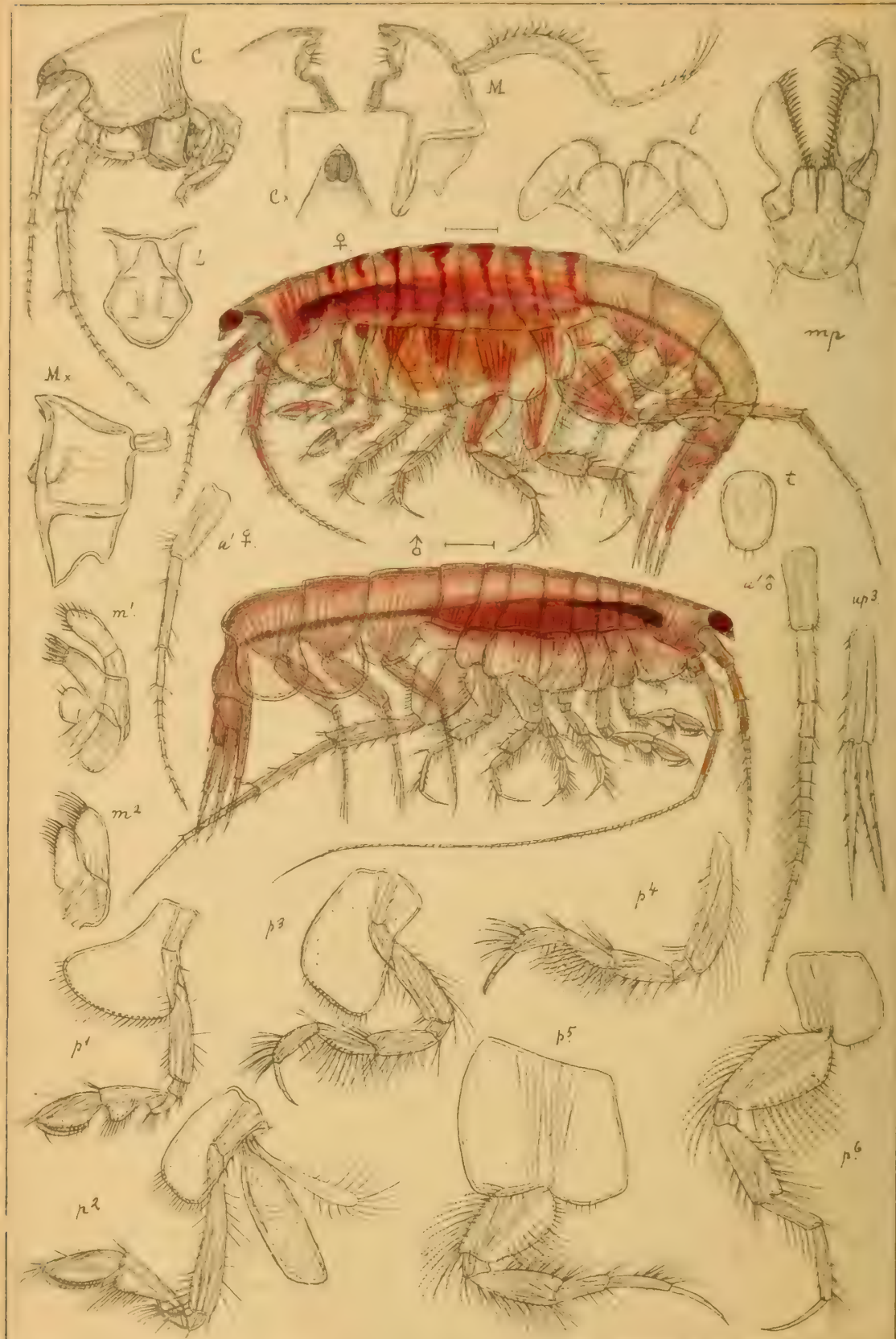


G.O. Sars autogr. 1. *Synchelidium brevicarpum*, (Sp. Bate).
 2. *Synchelidium haplocheles*, (Grube).



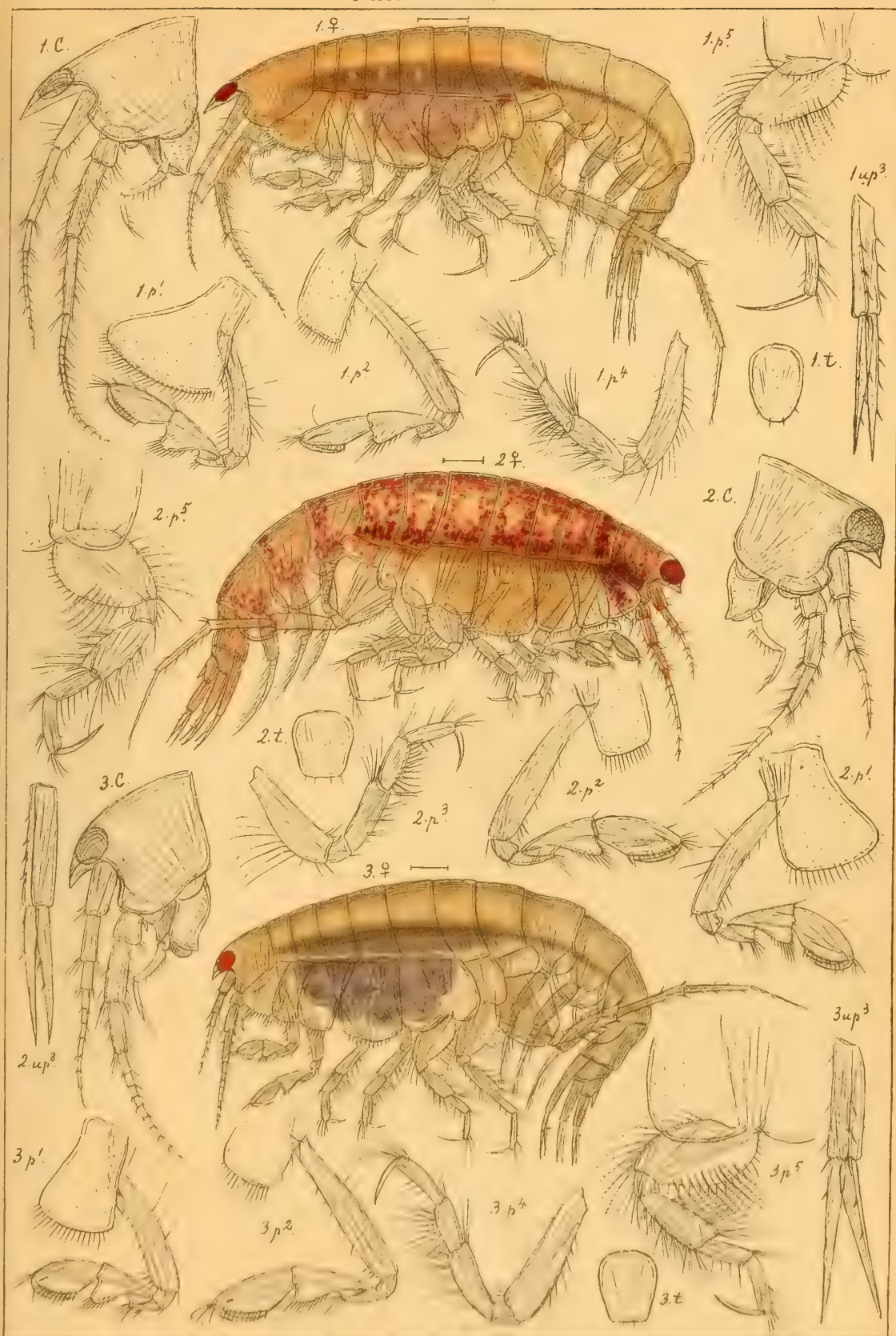
G.O. Sars autoogr.

Oediceropsis brevicornis, Lilljeb.



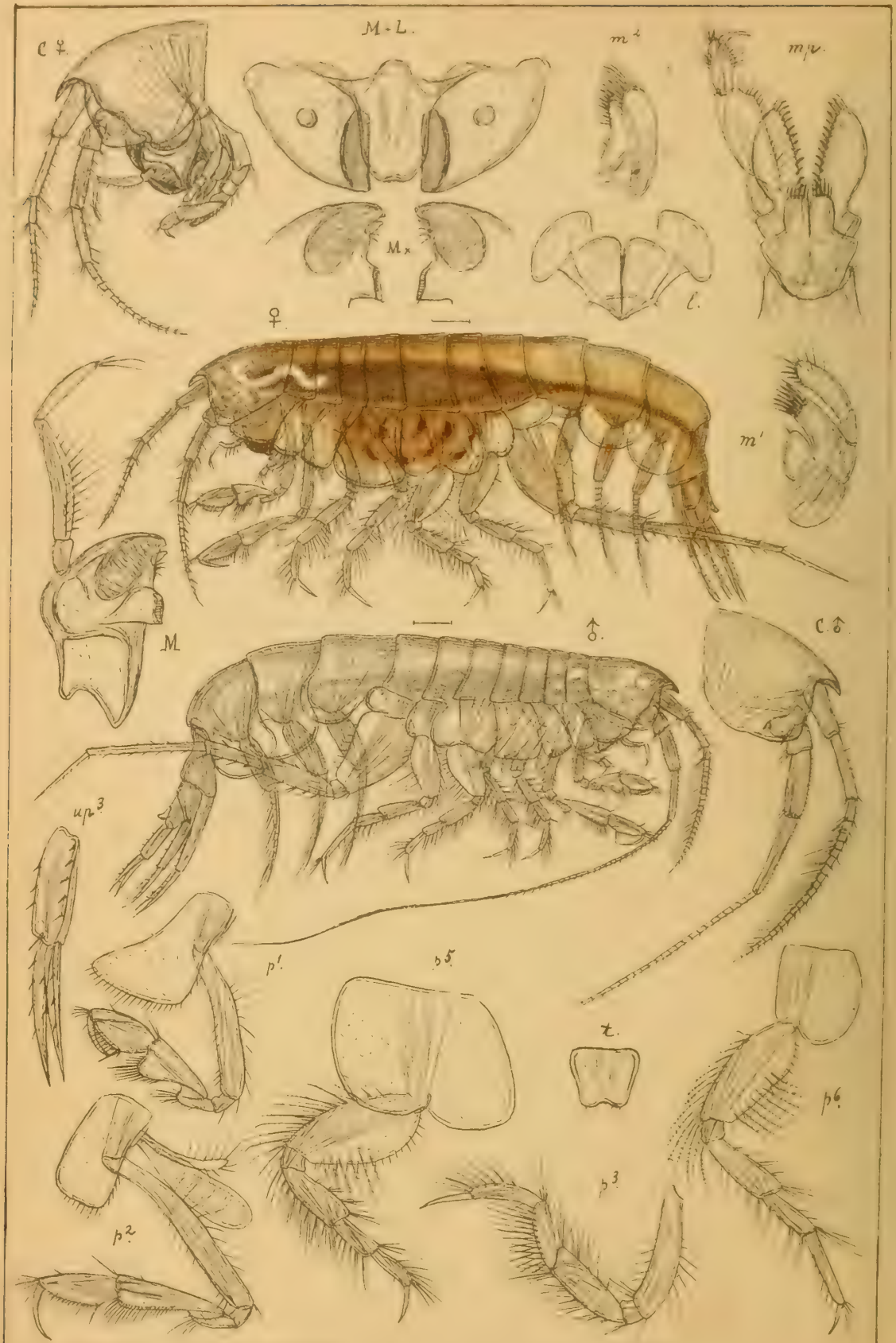
G.O.Sars autogr.

Halimedon Mülleri, Boeck.



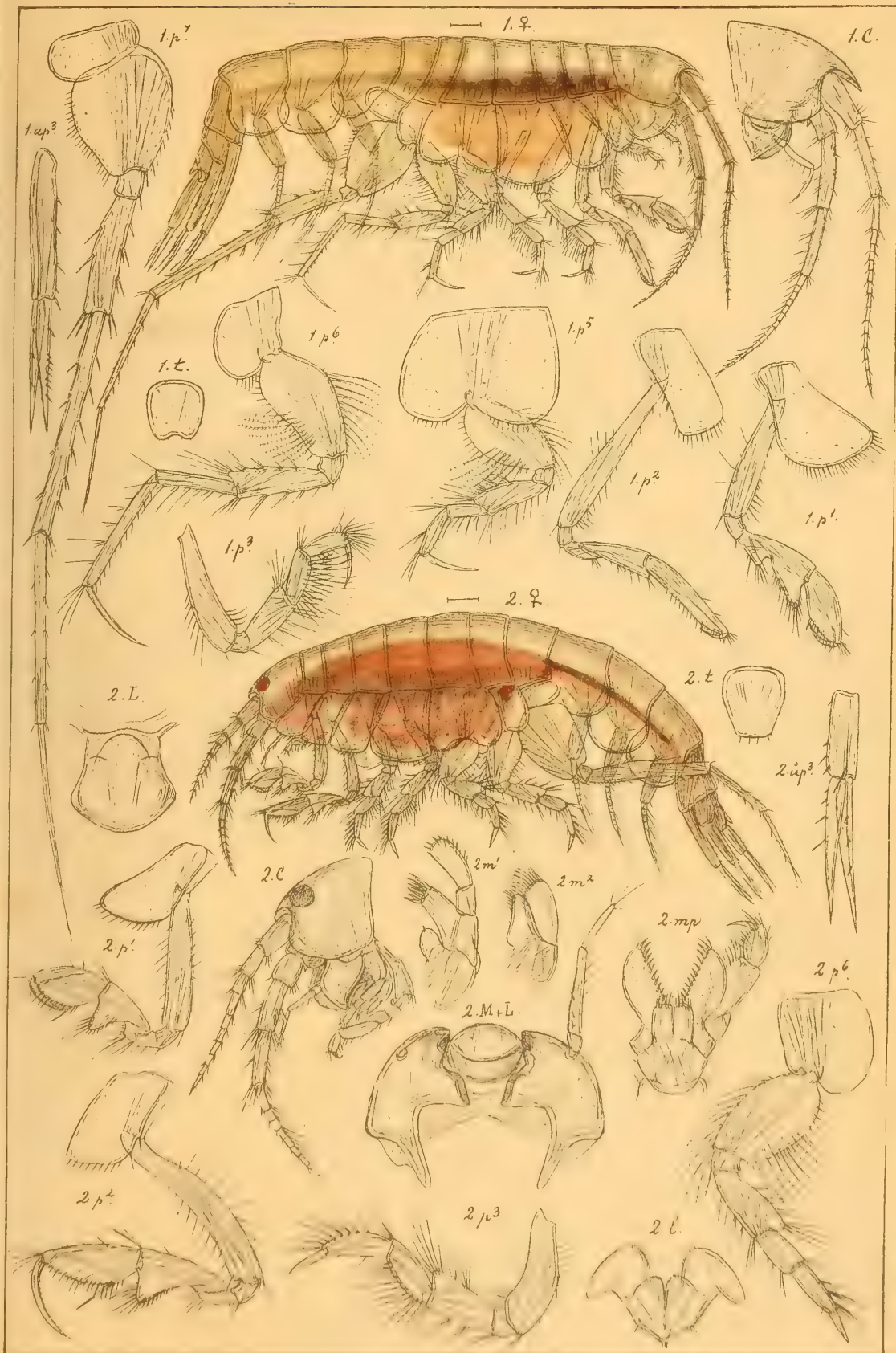
G.O. Sars autogr.

1. *Halimemon acutifrons*, n. sp.2. *Halimemon megalops*, G.O. Sars.3. *Halimemon brevicar*, (Goës).



G.O. Sars autogr.

Bathymedon longimanus, (Boeck).



G.O. Sars autogr.

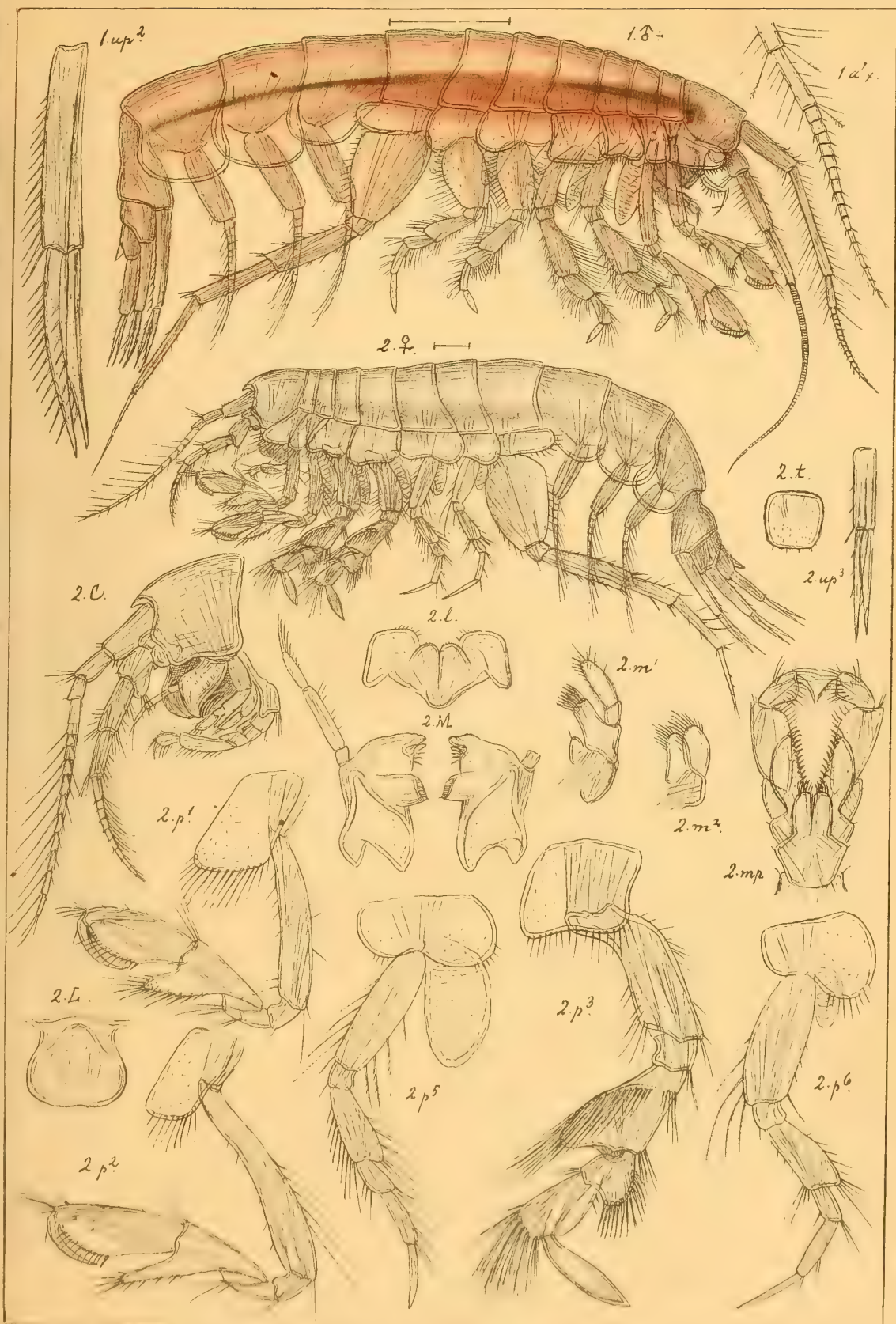
1. *Bathymedon Saussurei*, (Boeck).

2. *Bathymedon obtusifrons*, (Hansen).



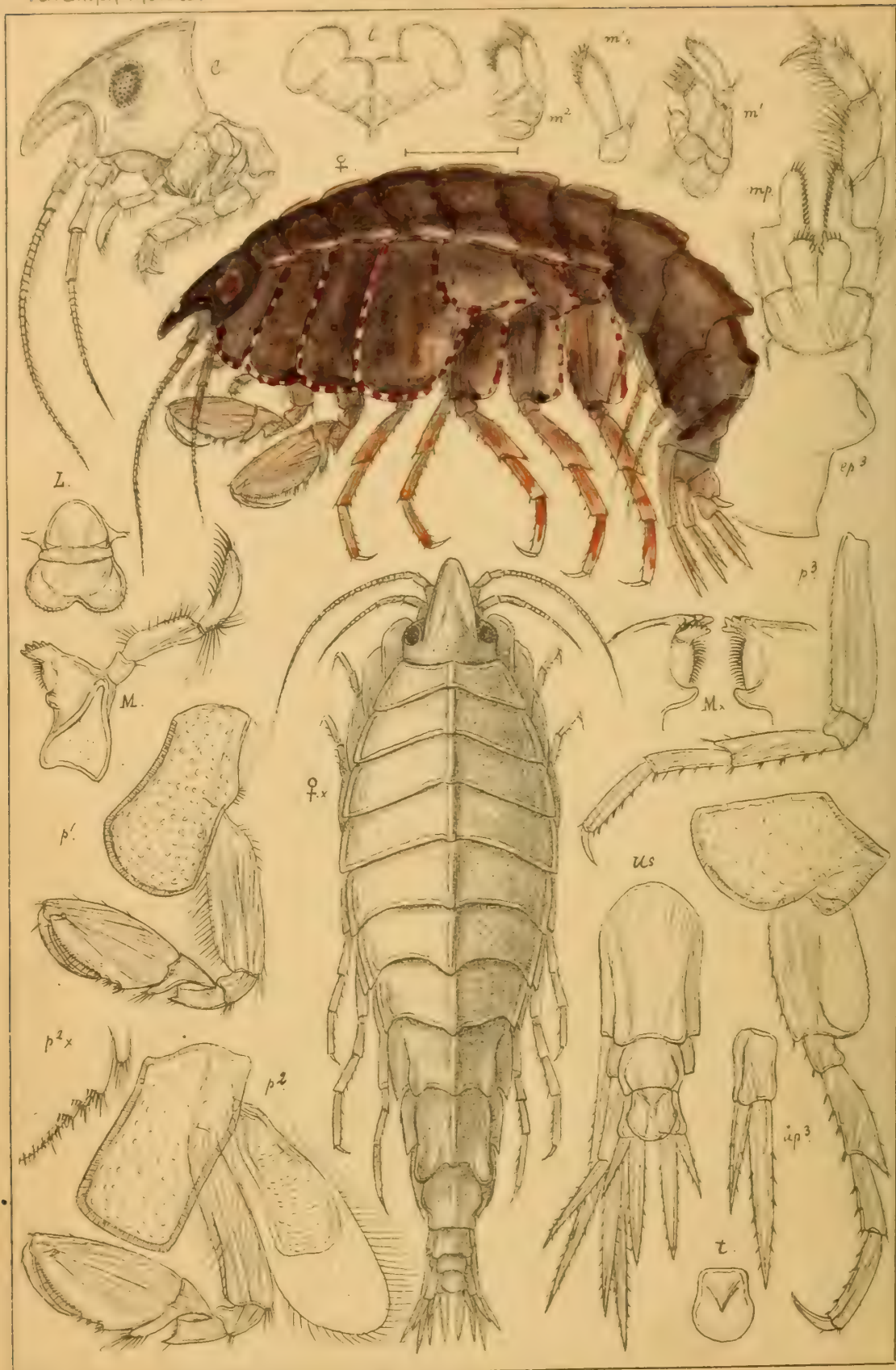
G.O. Sars autogr.

Aceros phyllonyx, (M. Sars).



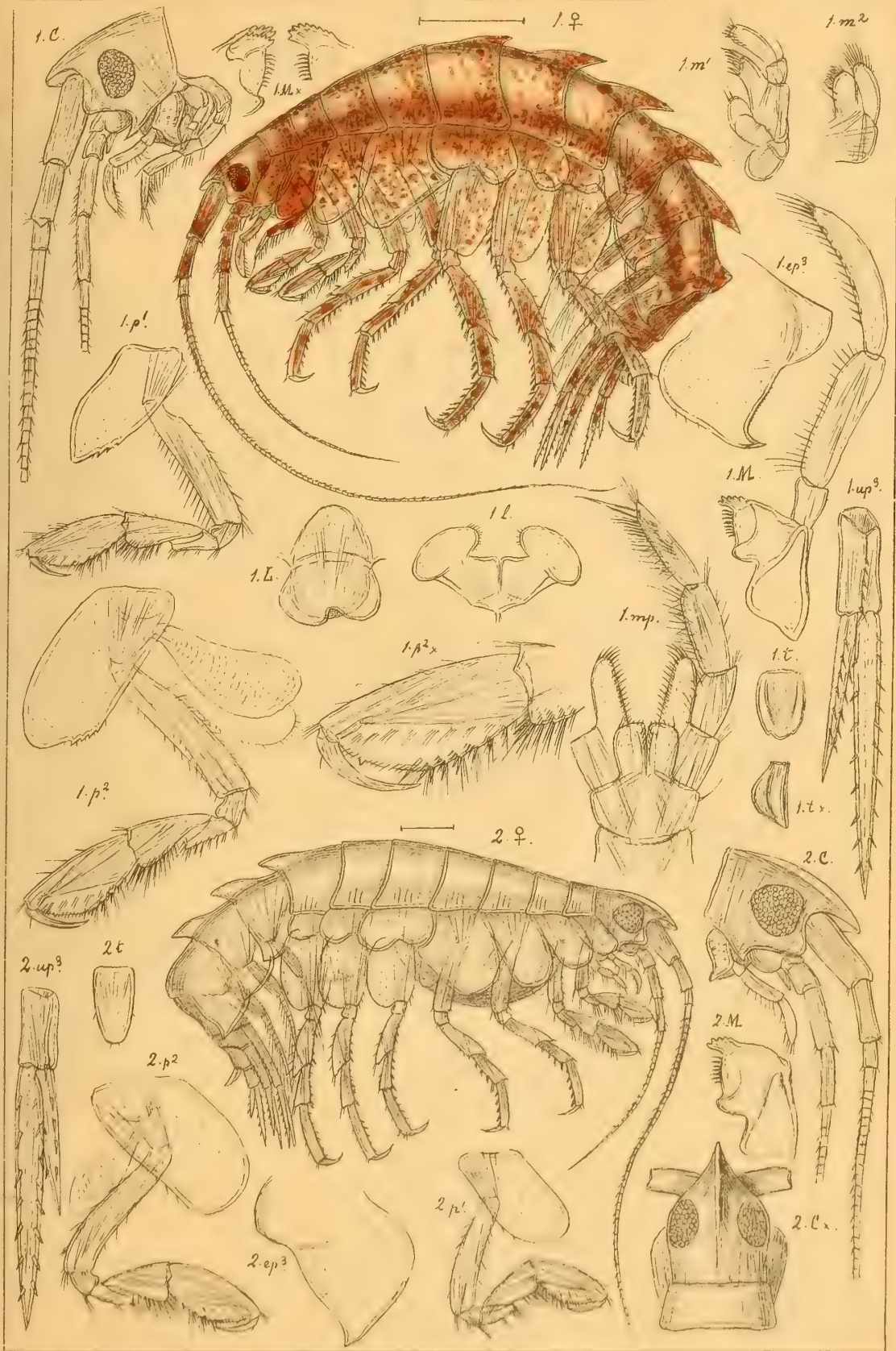
G.O Sars autogr.

1. *Aceros phyllonyx*, (M. Sars).2. *Aceropsis latipes*, G.O. Sars.*Aceroid*



G. Sars autogr.

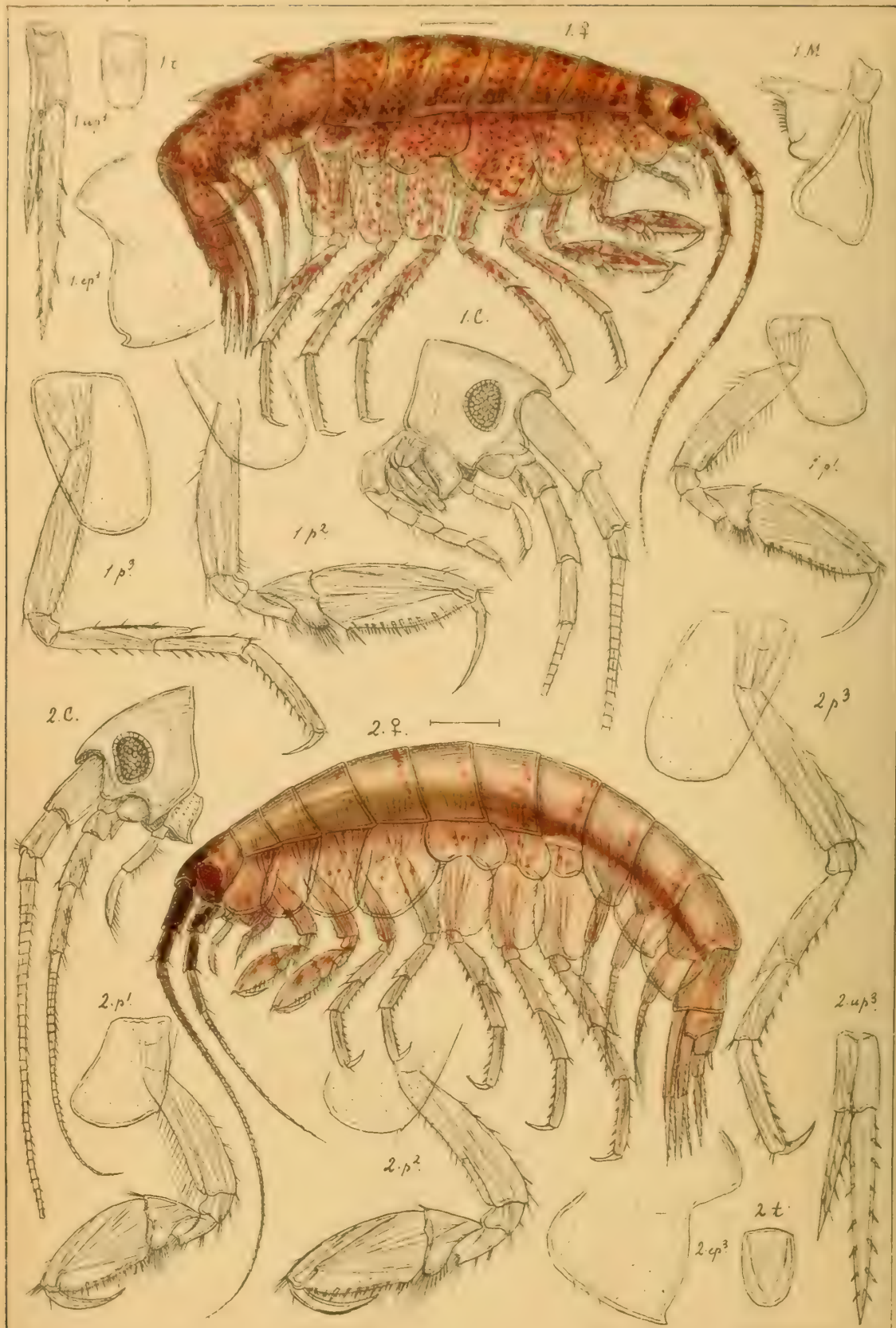
Pleustes panoplus, (Kröyer.)



G.O. Sars autogr.

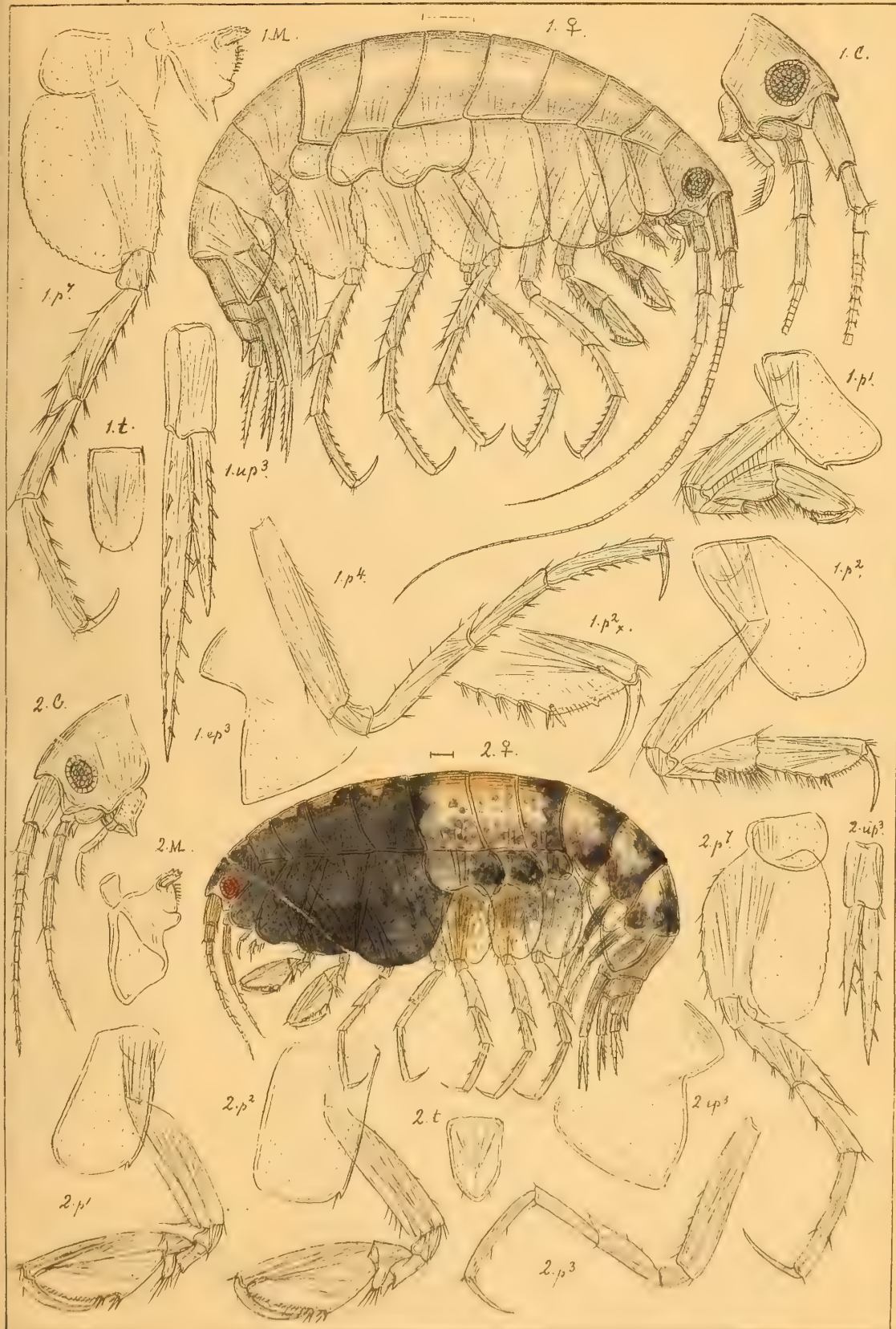
- 1. *Paramphithoë pulchella*, (Kröyer).
- 2. *Paramphithoë Boeckü*, Hansen.

1899



G.O. Sars autogr.

1. *Paramphithoë bicuspis*, (Kröyer).2. *Paramphithoë monocuspis*, n. sp. / C

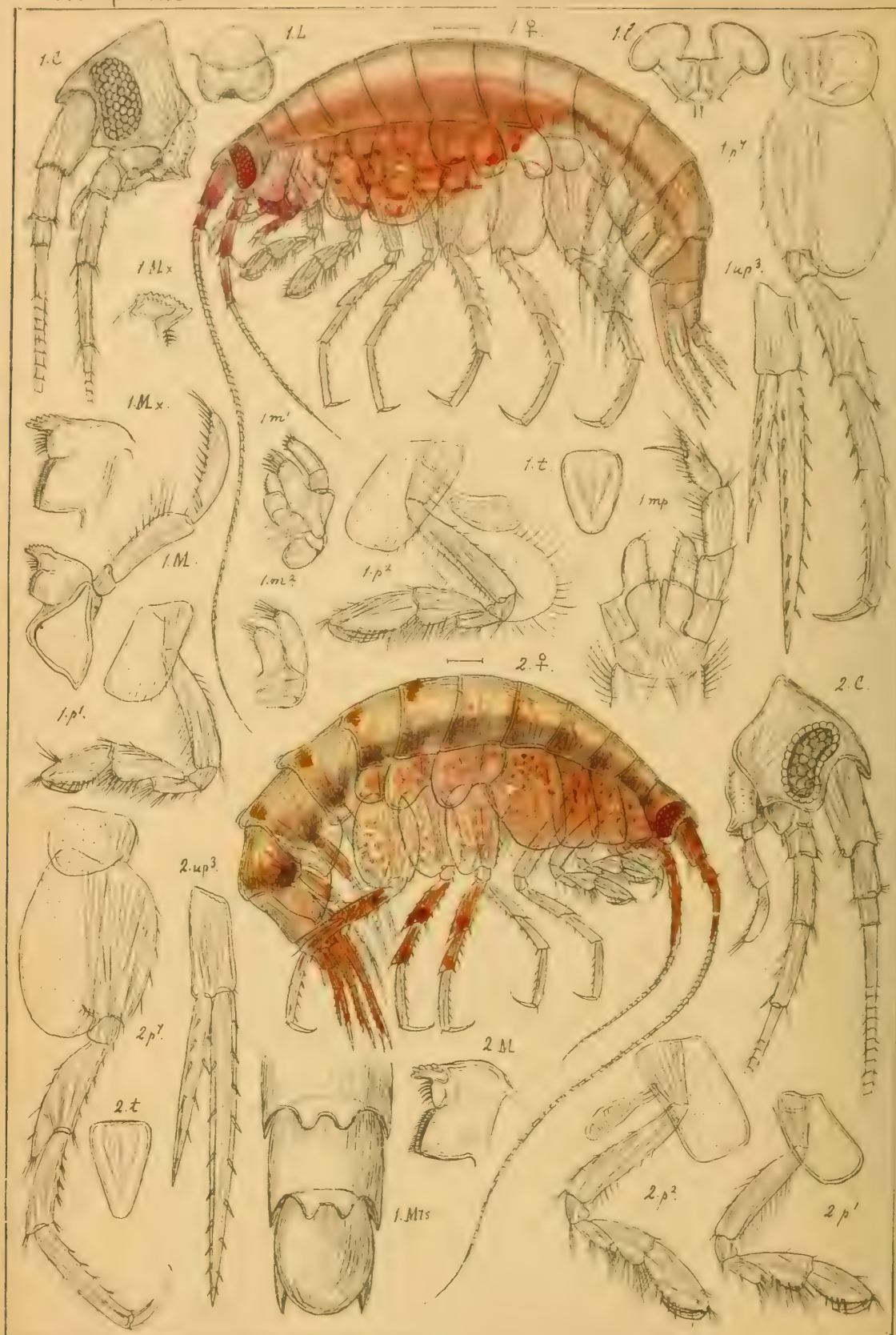


G.O.Sars autogr.

1. *Paramphithoë assimilis*, G.O.Sars.

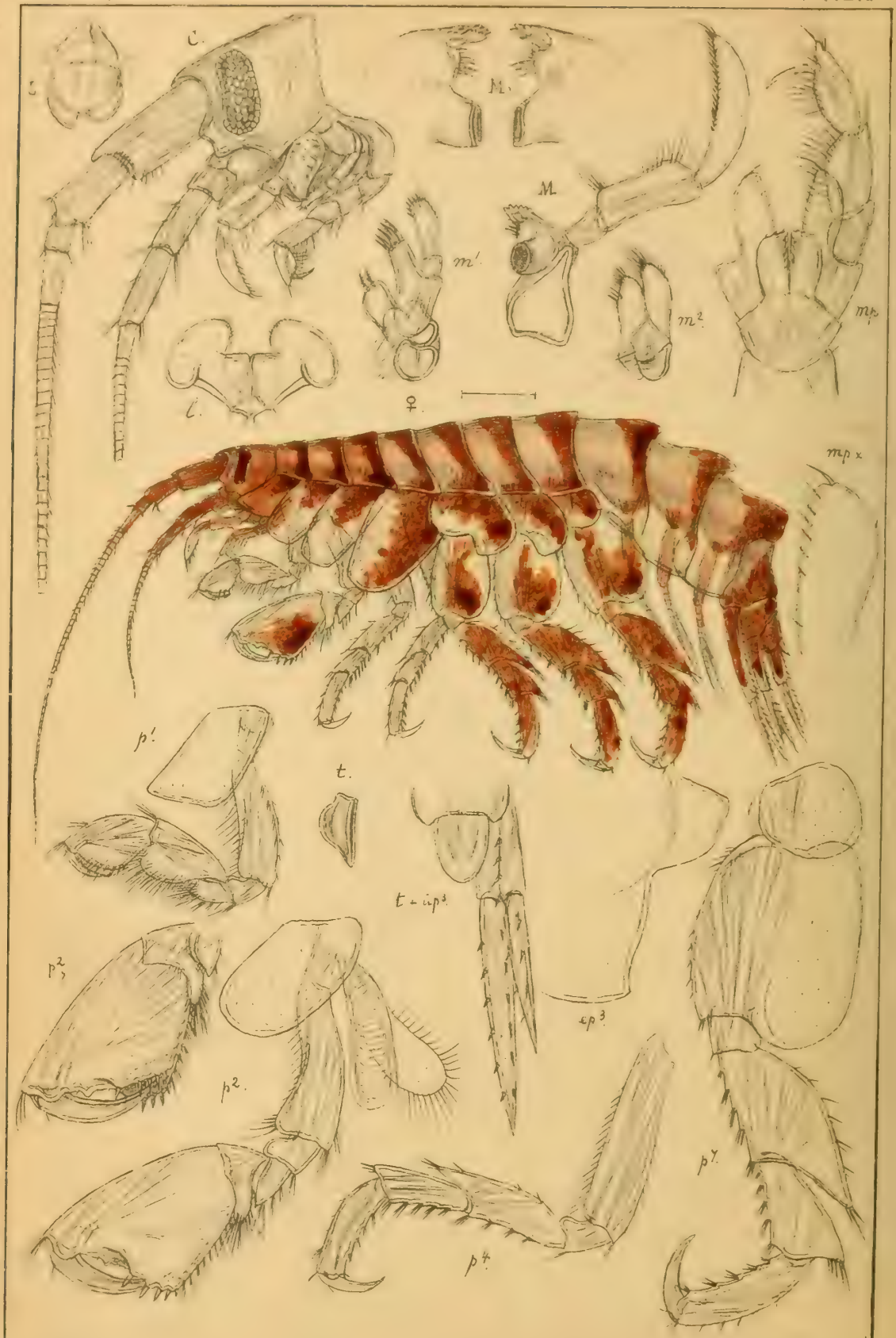
2. *Paramphithoë brevicornis*, G.O.Sars.

Isopoda *Amphipoda* *Isopoda*



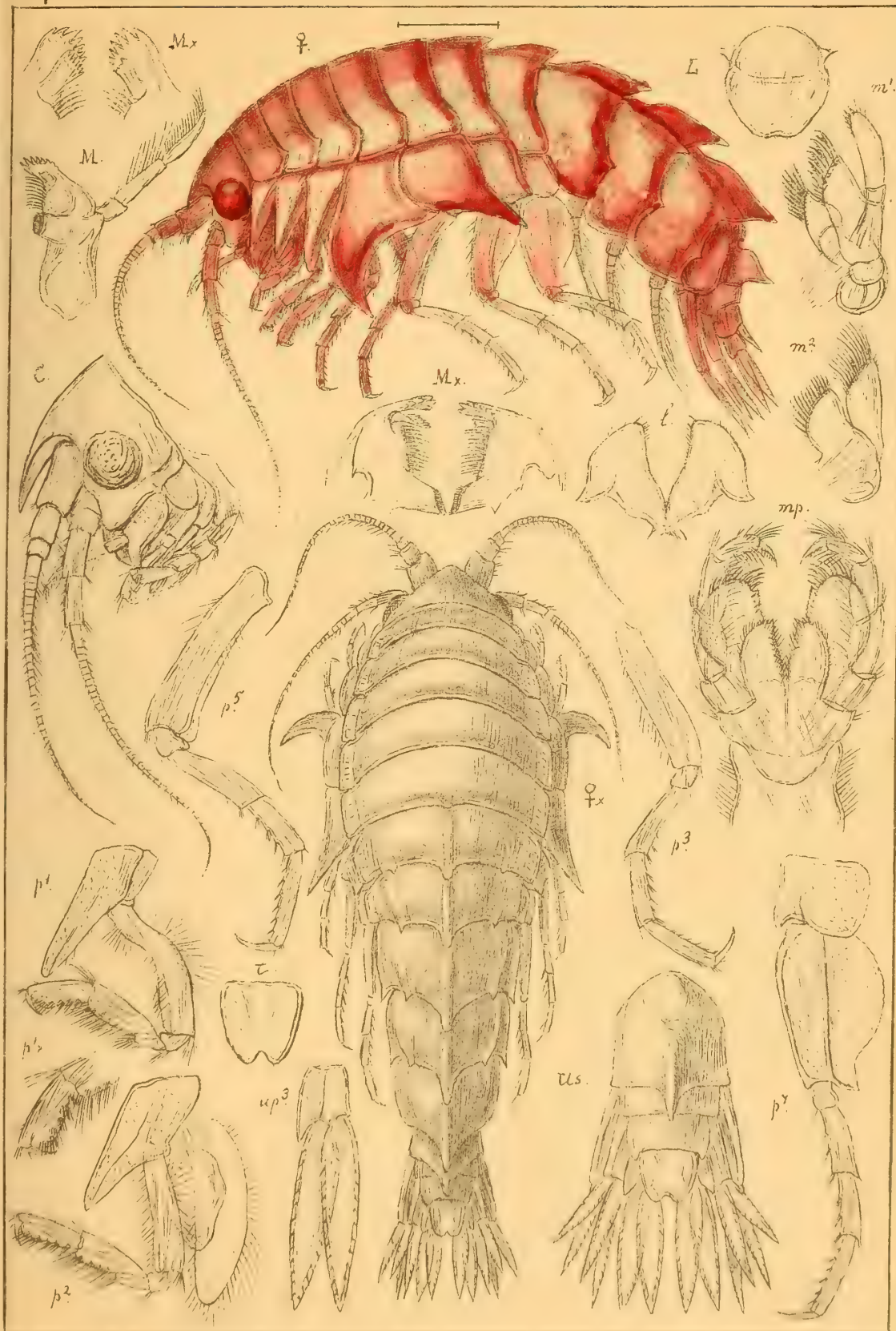
G.O.Sars autogr.

1. *Stenopleustes malmgreni*, (Boeck).2. *Stenopleustes nodifer*, G.O.Sars.



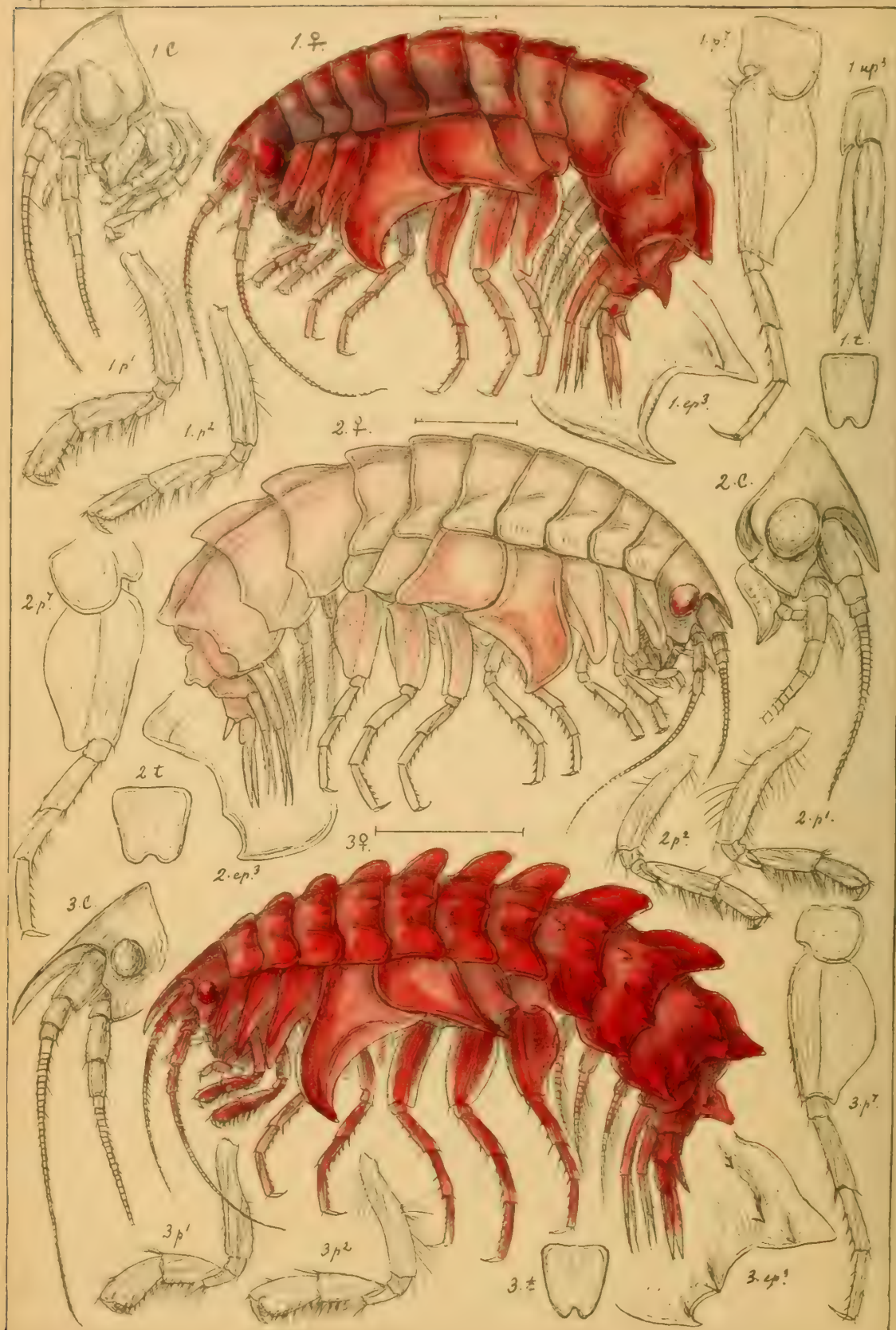
G.O. Sars autogr.

Parapleustes latipes, (M. Sars).



G.O. Sars autogr.

Epimeria cornigera, (Fabr.).

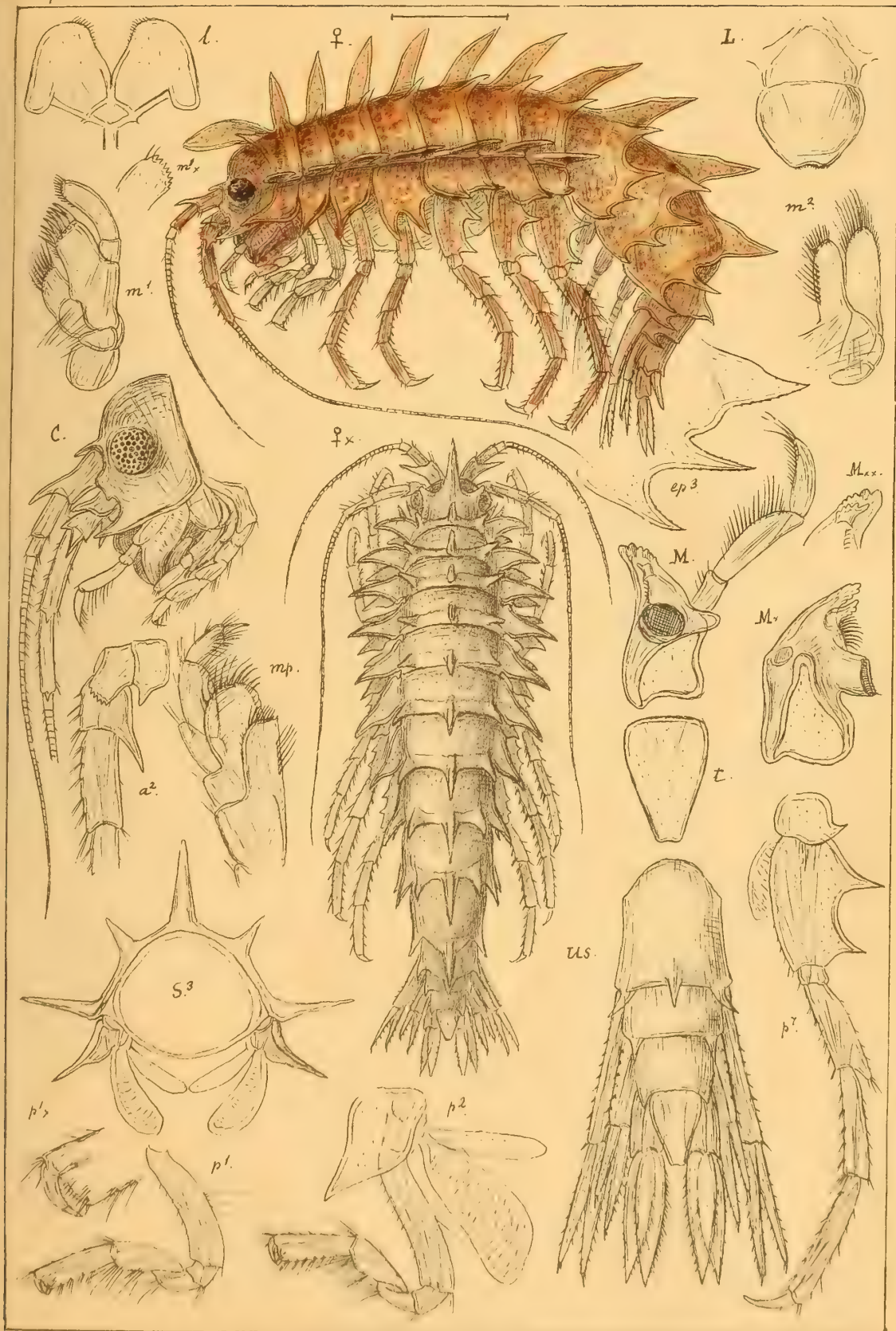


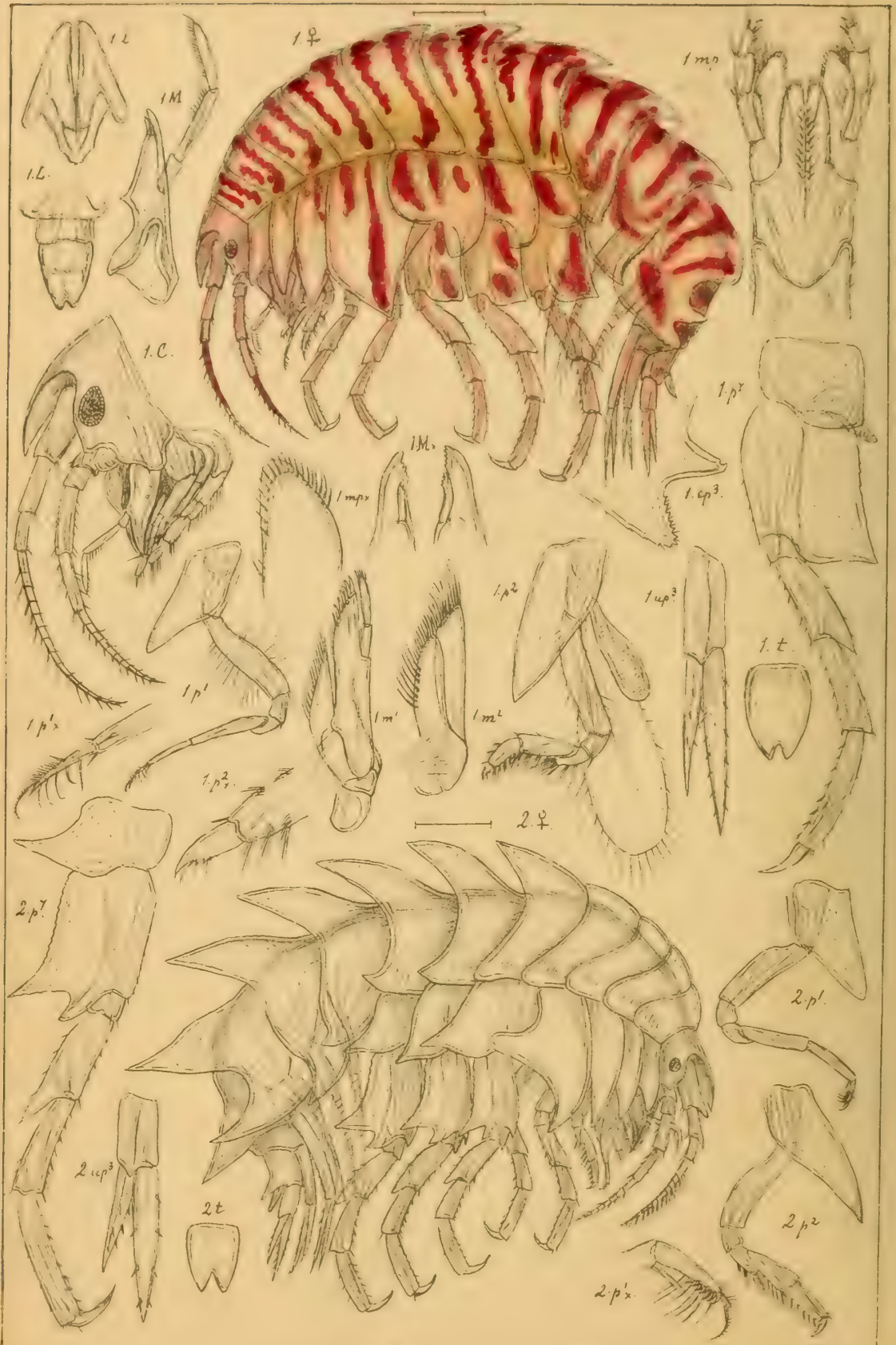
G.O. Sars autogr.

1. *Epimeria parasitica*, (M.Sars.)

2. *Epimeria tuberculata*, n.sp.

3 *Epimeria loricata*, G.O.Sars.

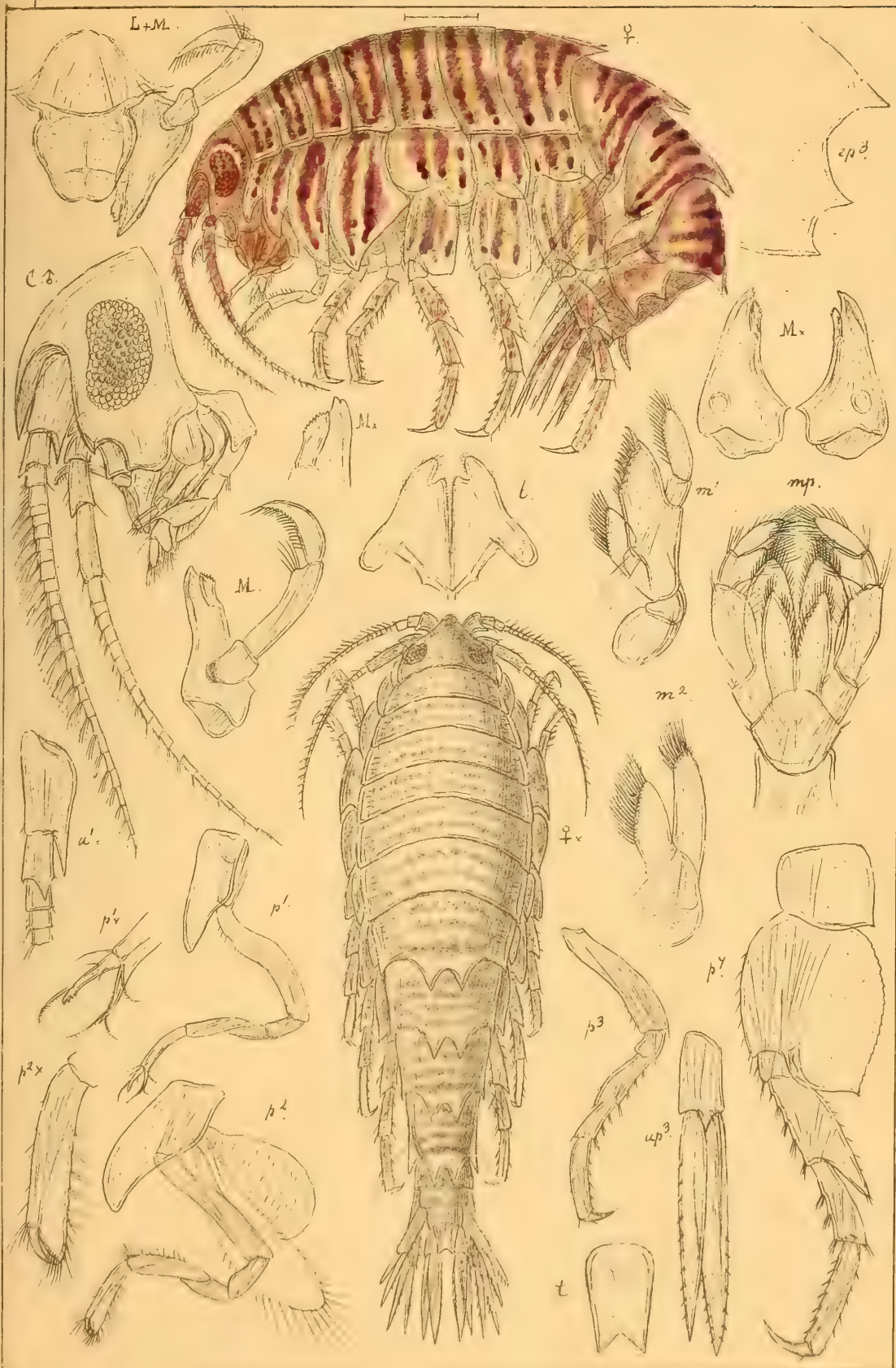


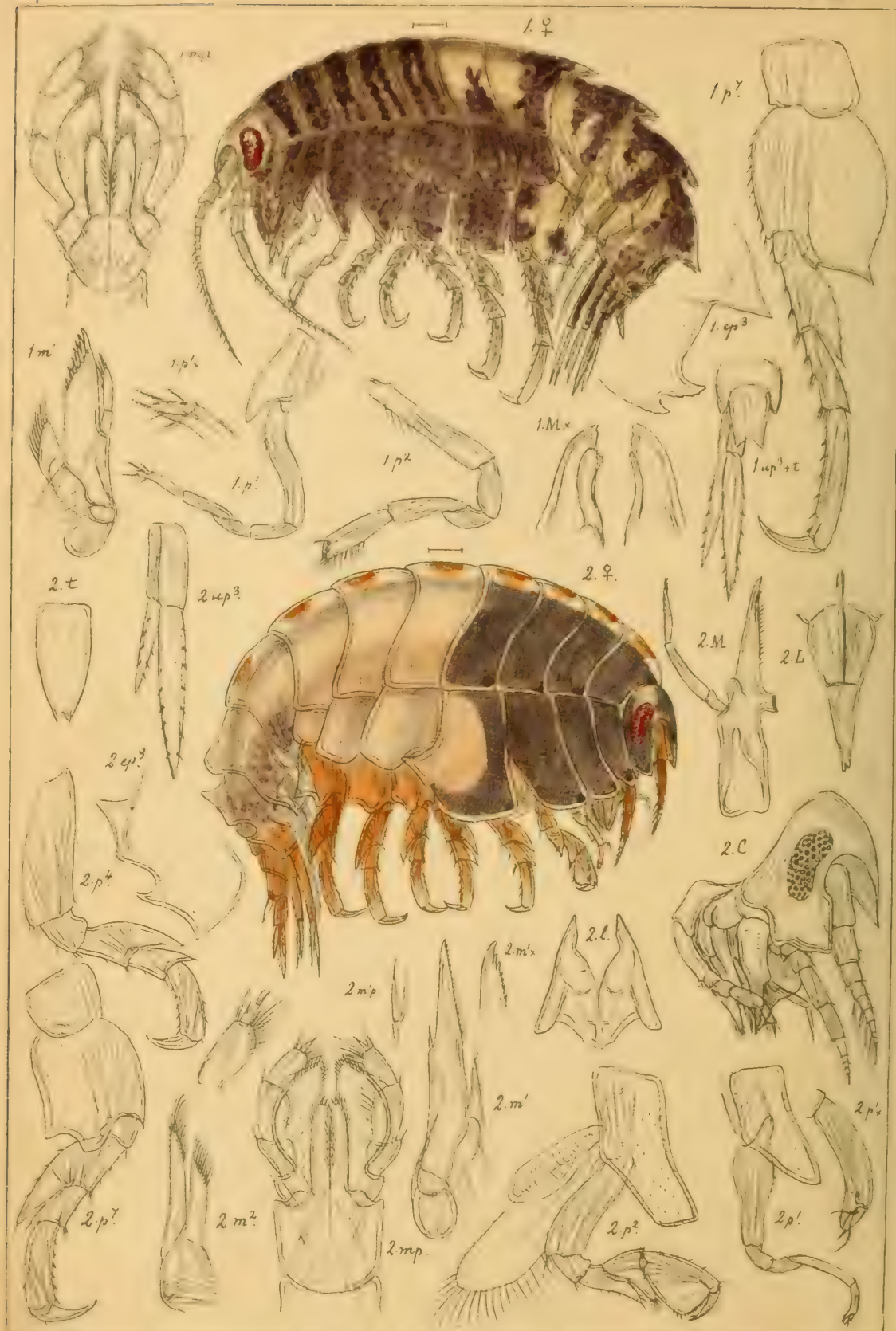


G. J. Sars autogr.

1. *Acanthonotosoma serratum*, (Fabr.)

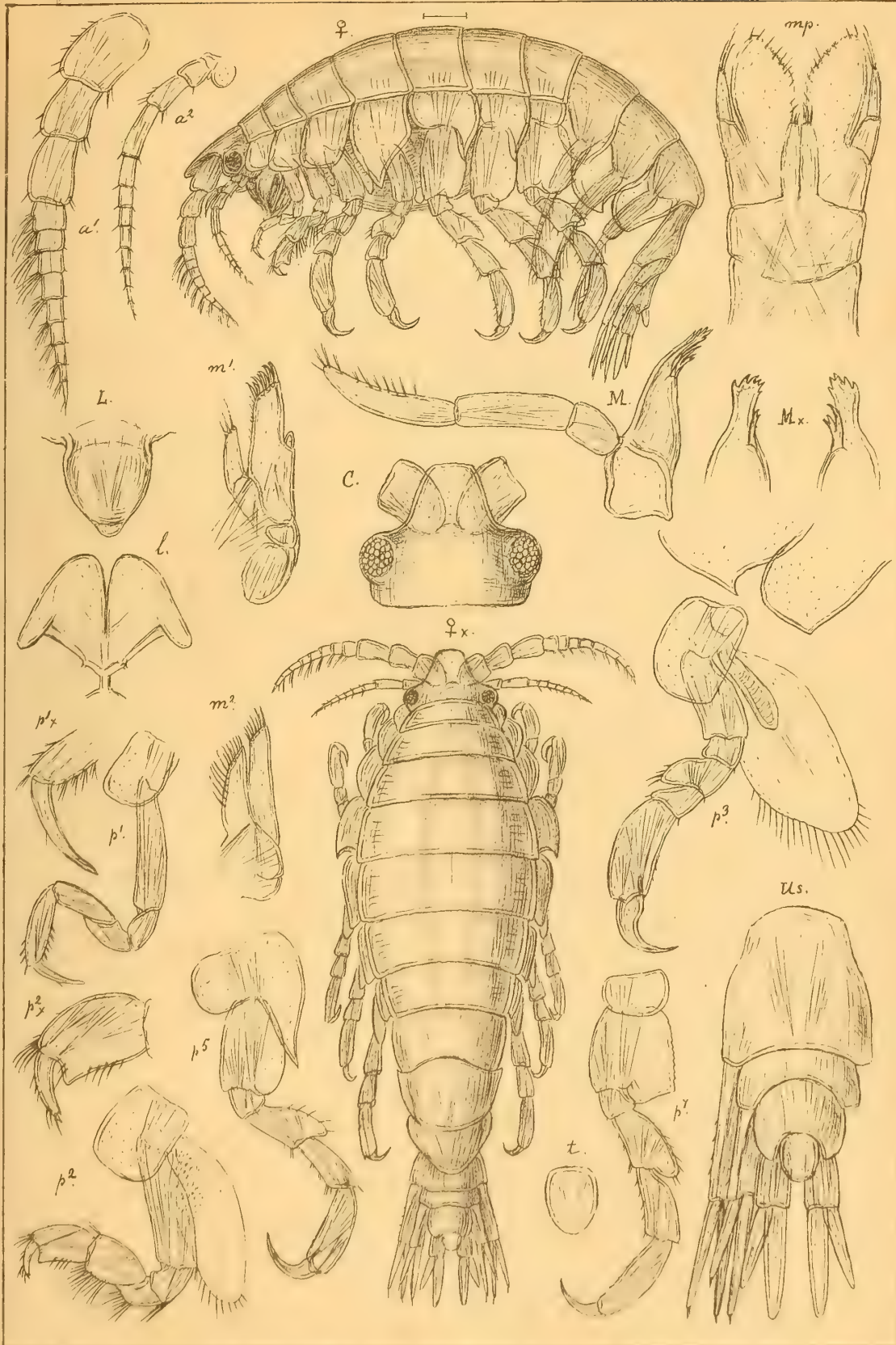
2. *Acanthonotosoma cristatum*, (Owen.)





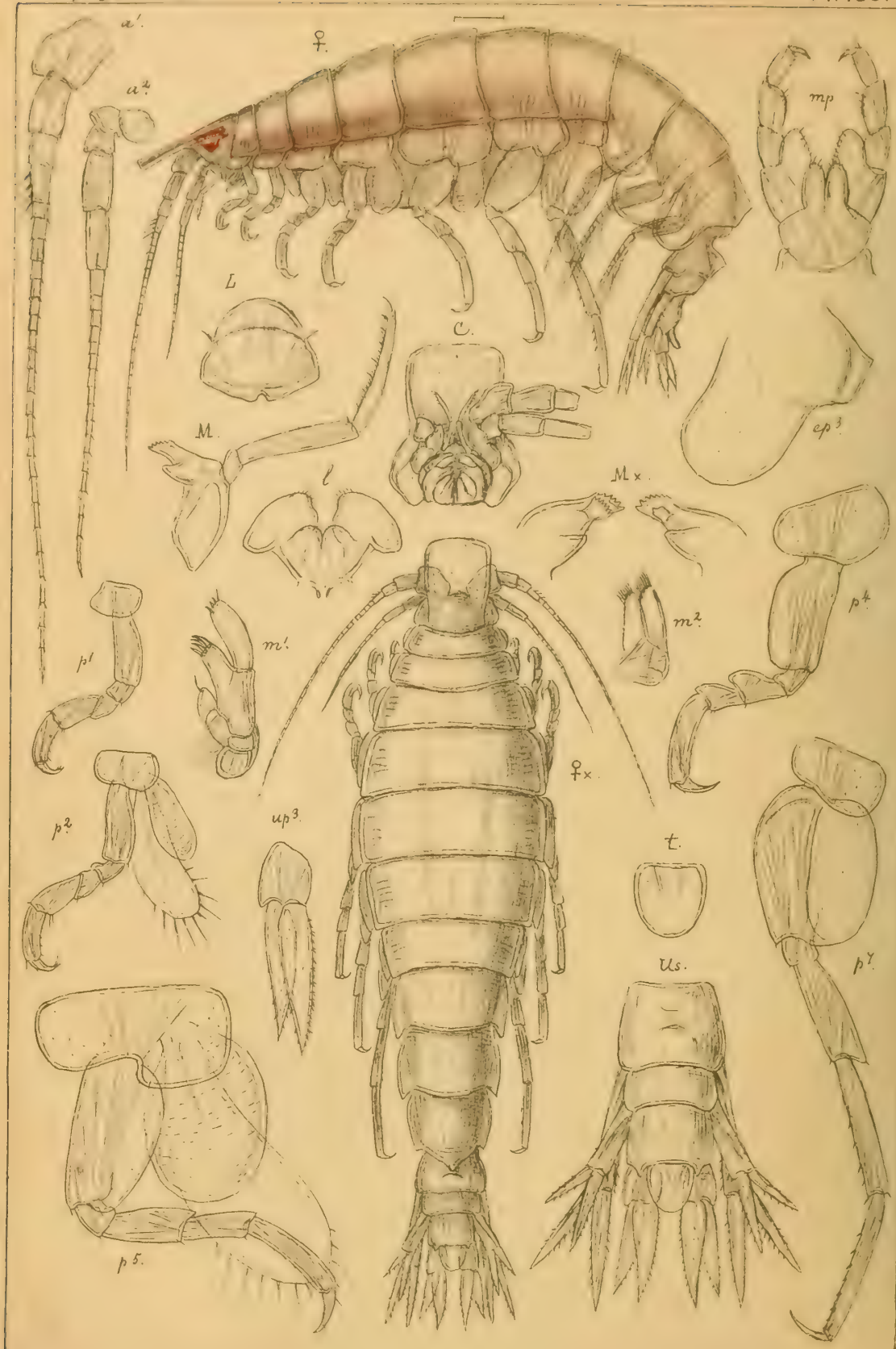
G.O. Sars autogr.

1. *Iphimedia minuta*, G.O. Sars.
2. *Odius carinatus*, (Sp. Bate.)



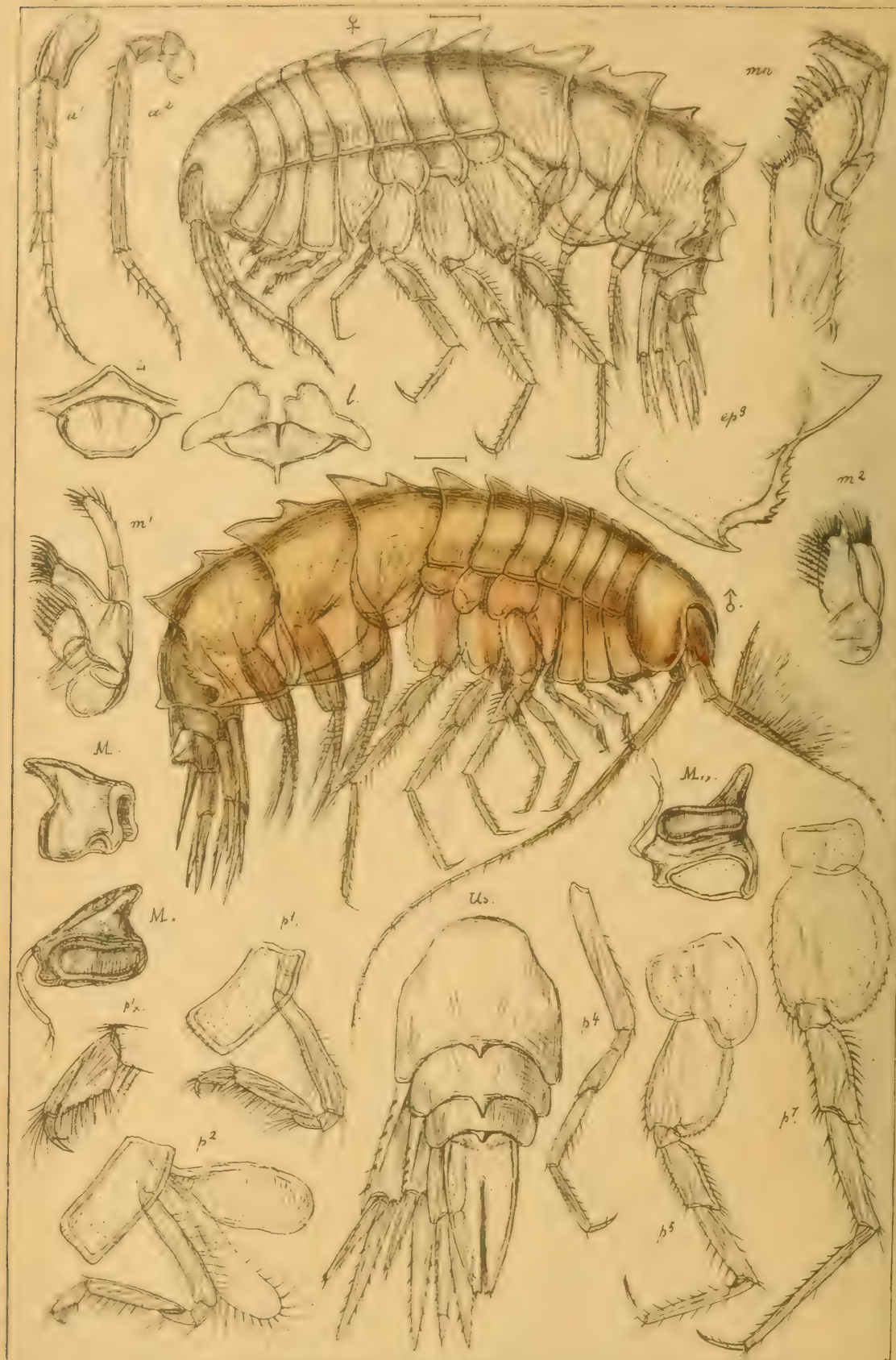
G.O. Sars autogr.

Laphystius sturionis, Kröyer.



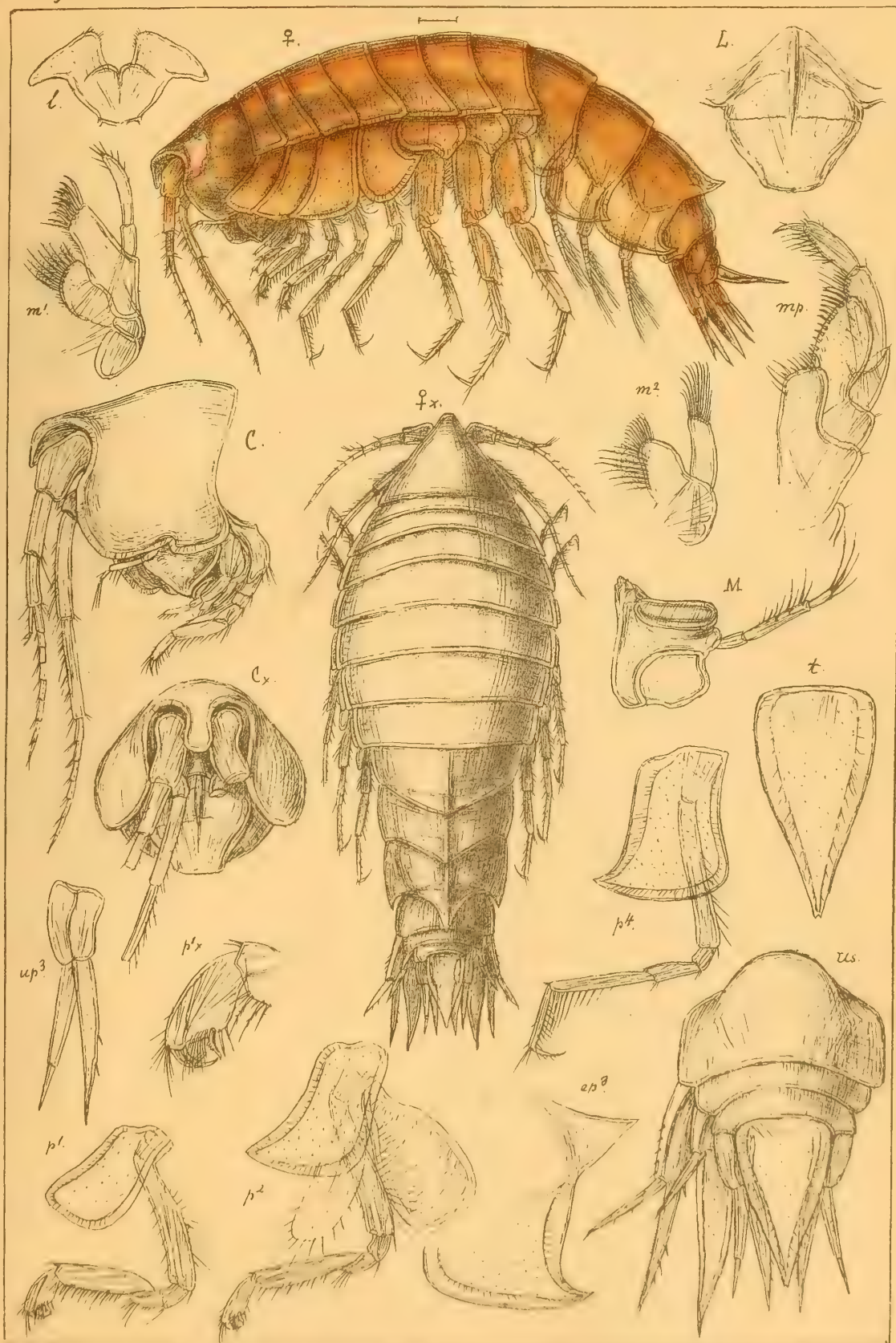
G.O. Sars autogr.

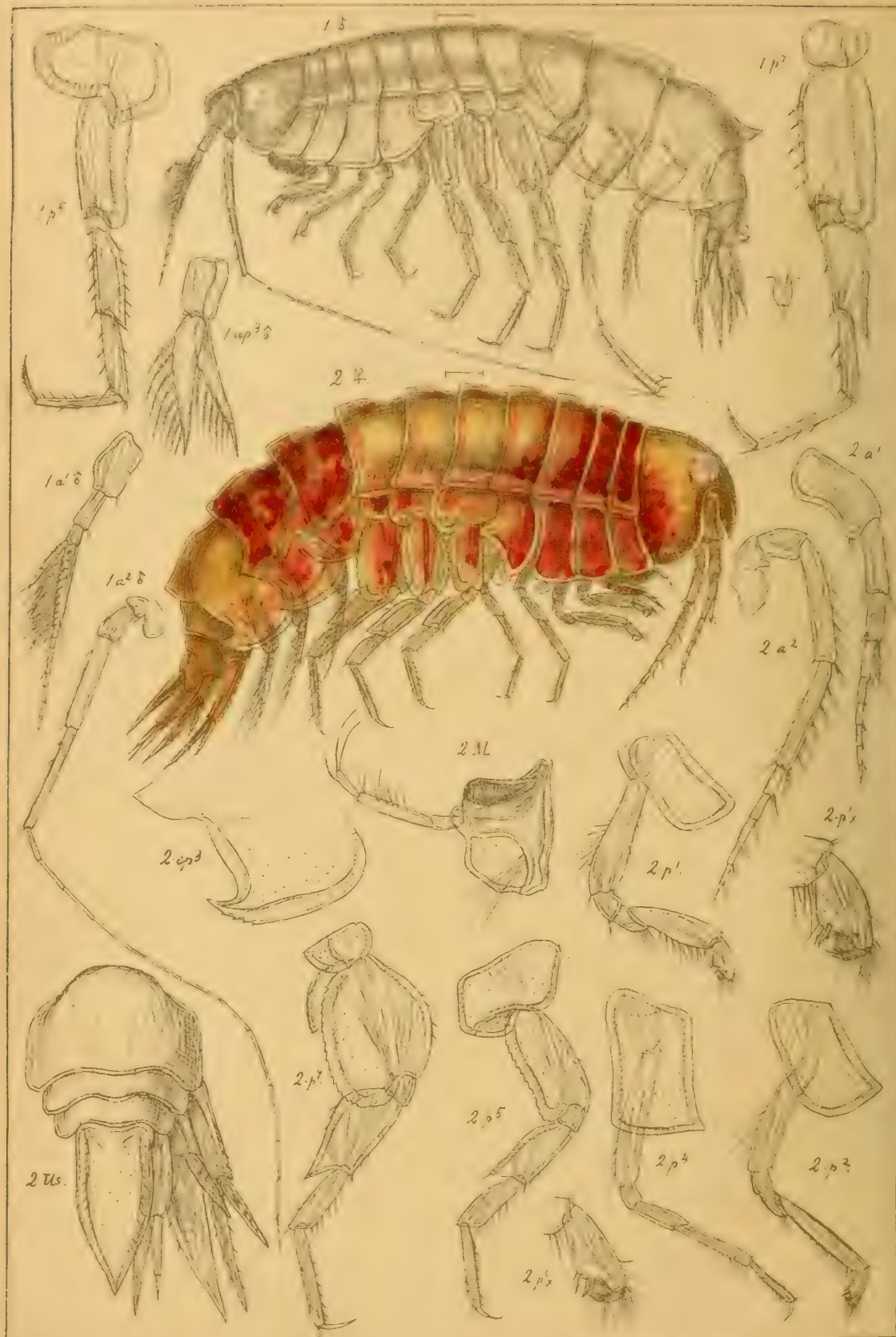
Laphystiopsis planifrons, n. gen. & sp.



G.O. Sars autogr.

Syrrhoites serrata, G.O.Sars.

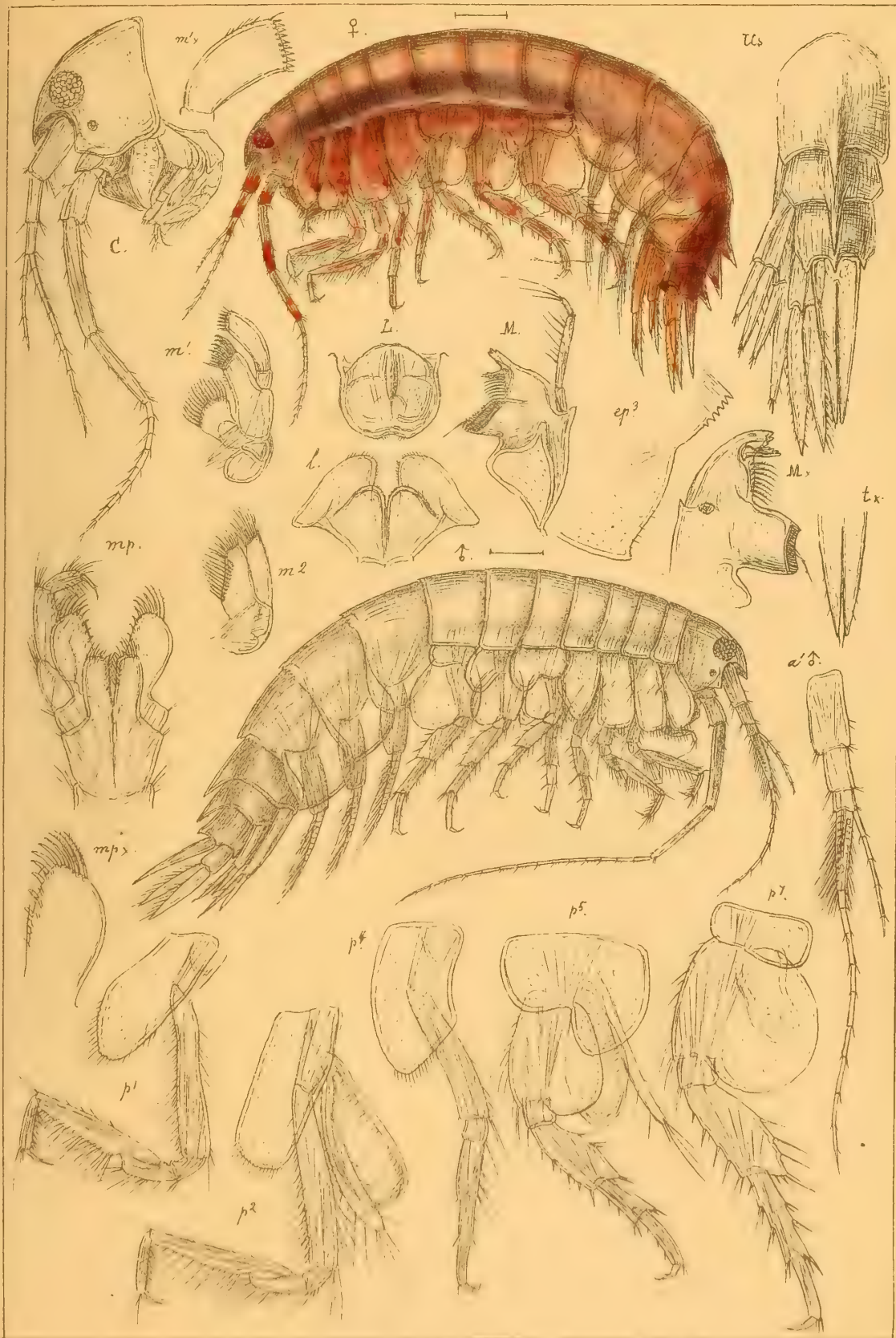


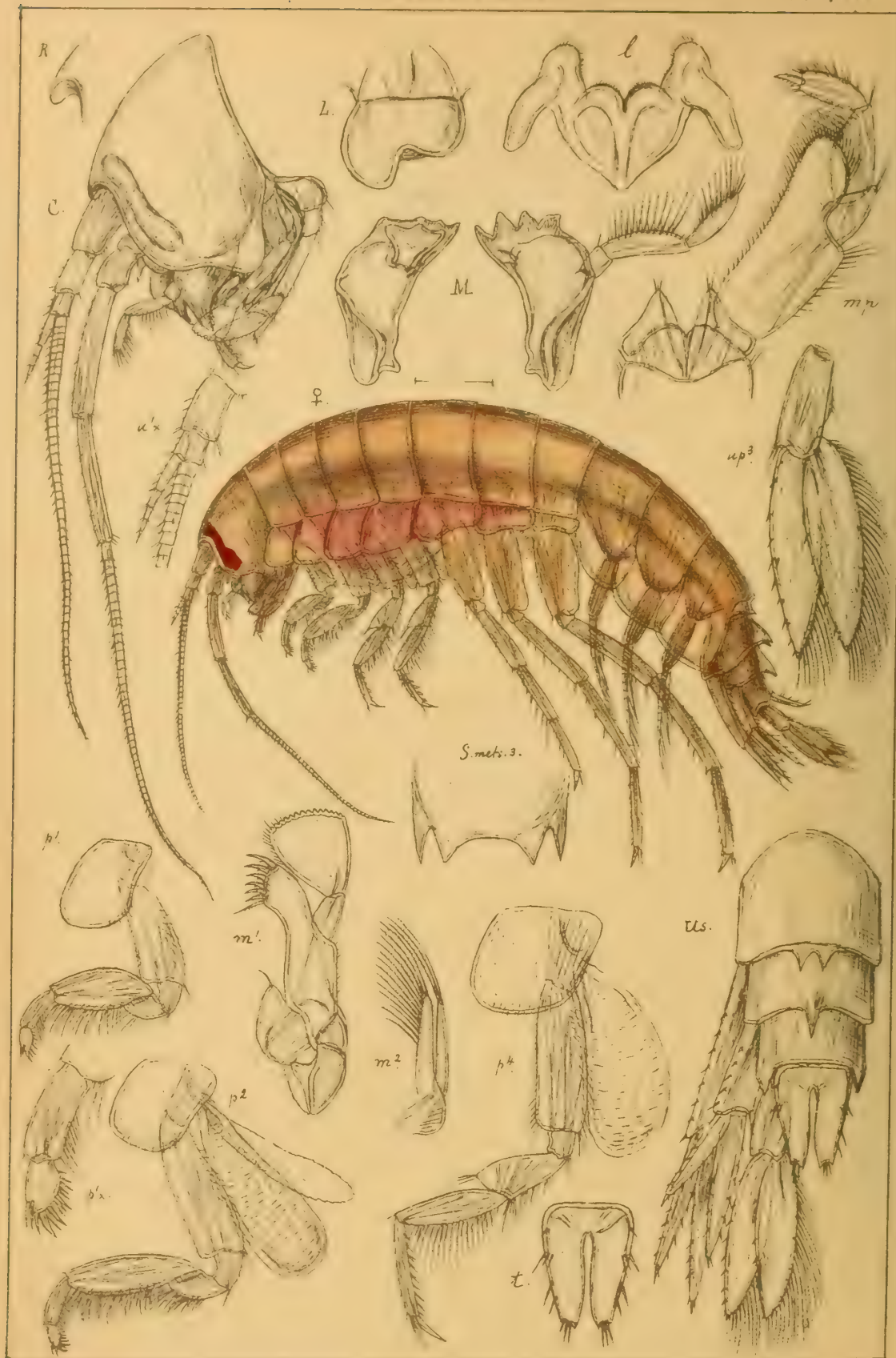


G.O.Sars autogr.

1. *Bruzelia typica*, Boeck.

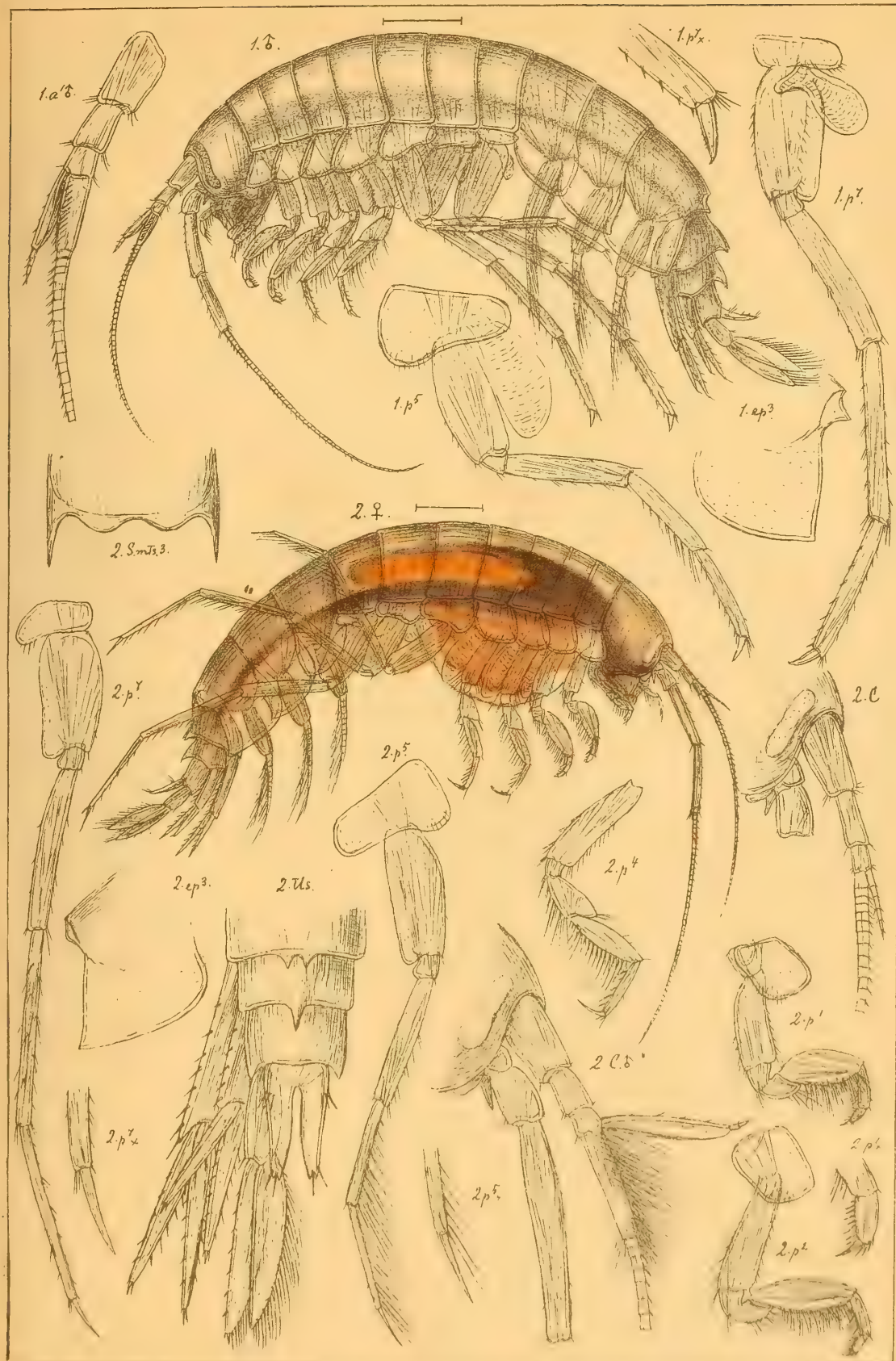
2. *Bruzelia tuberculata*, G.O.Sars.





G.O.Sars autogr.

Pardalisca cuspidata, Kröyer.



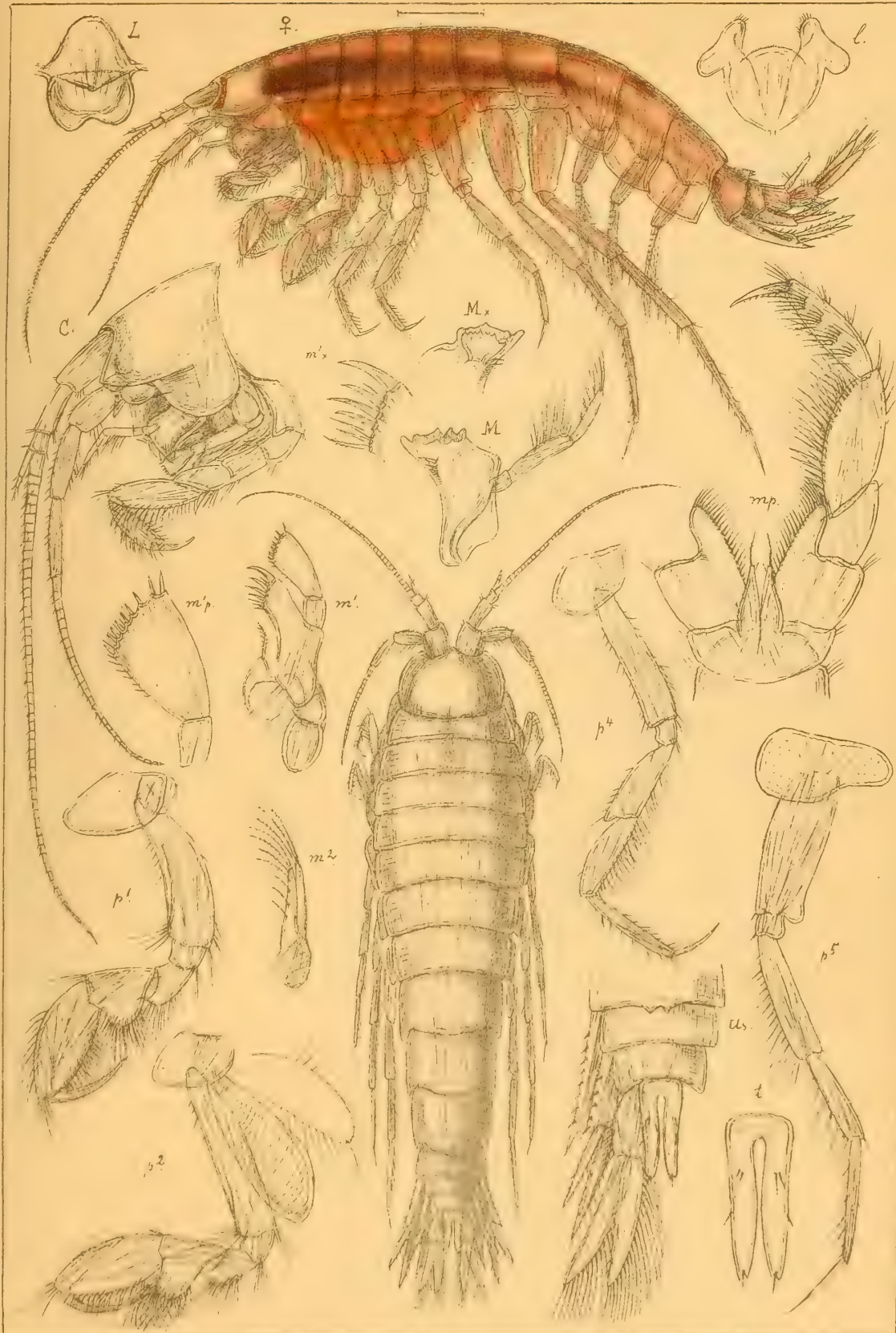
G.O Sars autogr.

1. *Pardaliscidæ* cuspidata, Kröyer.
 2. *Pardaliscidæ* tenuipes, n.sp.



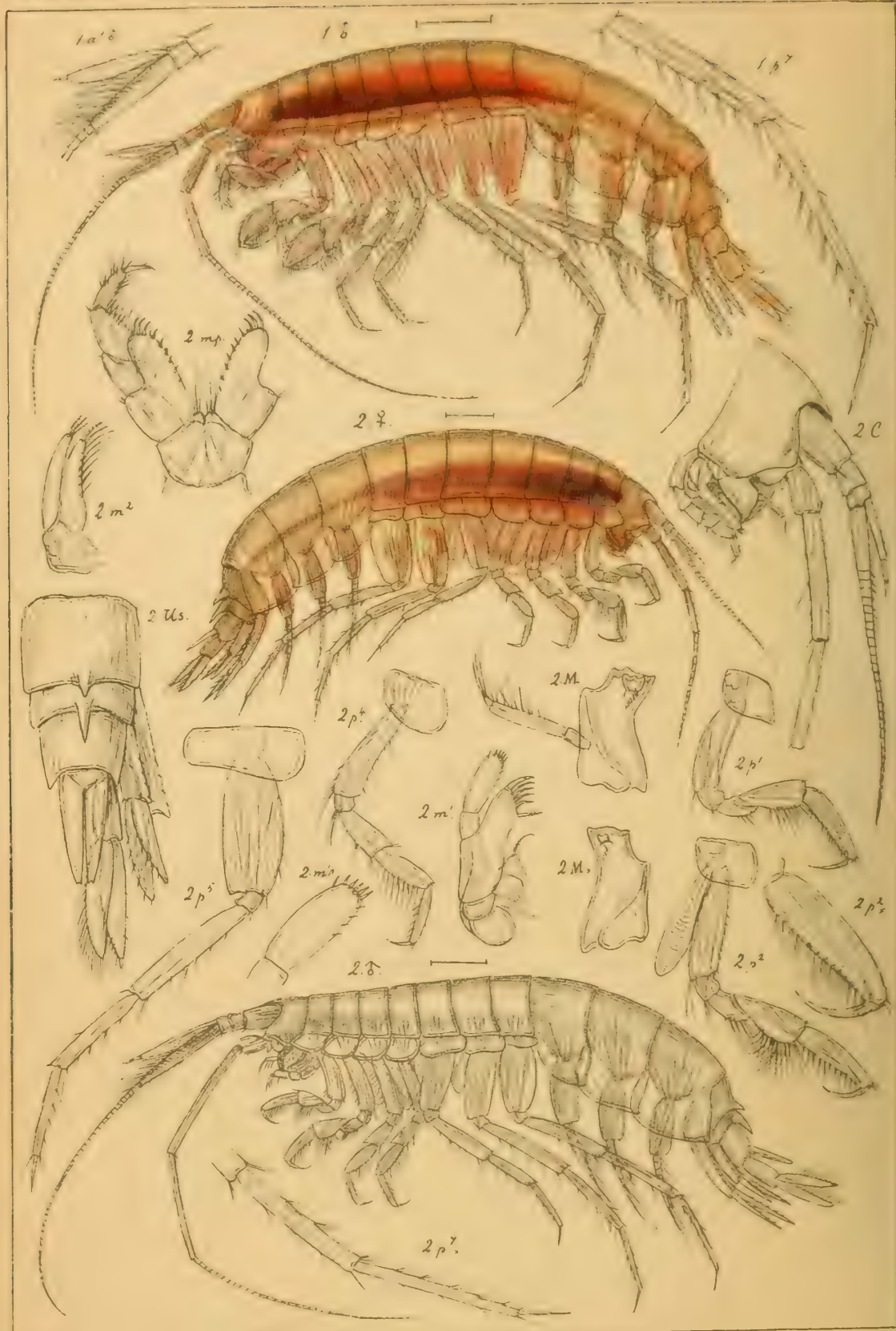
G.O.Sars autogr.

1. *Pardaliscia abyss*, Boeck.2. *Pardaliscella Boeckii*, (Malm.)



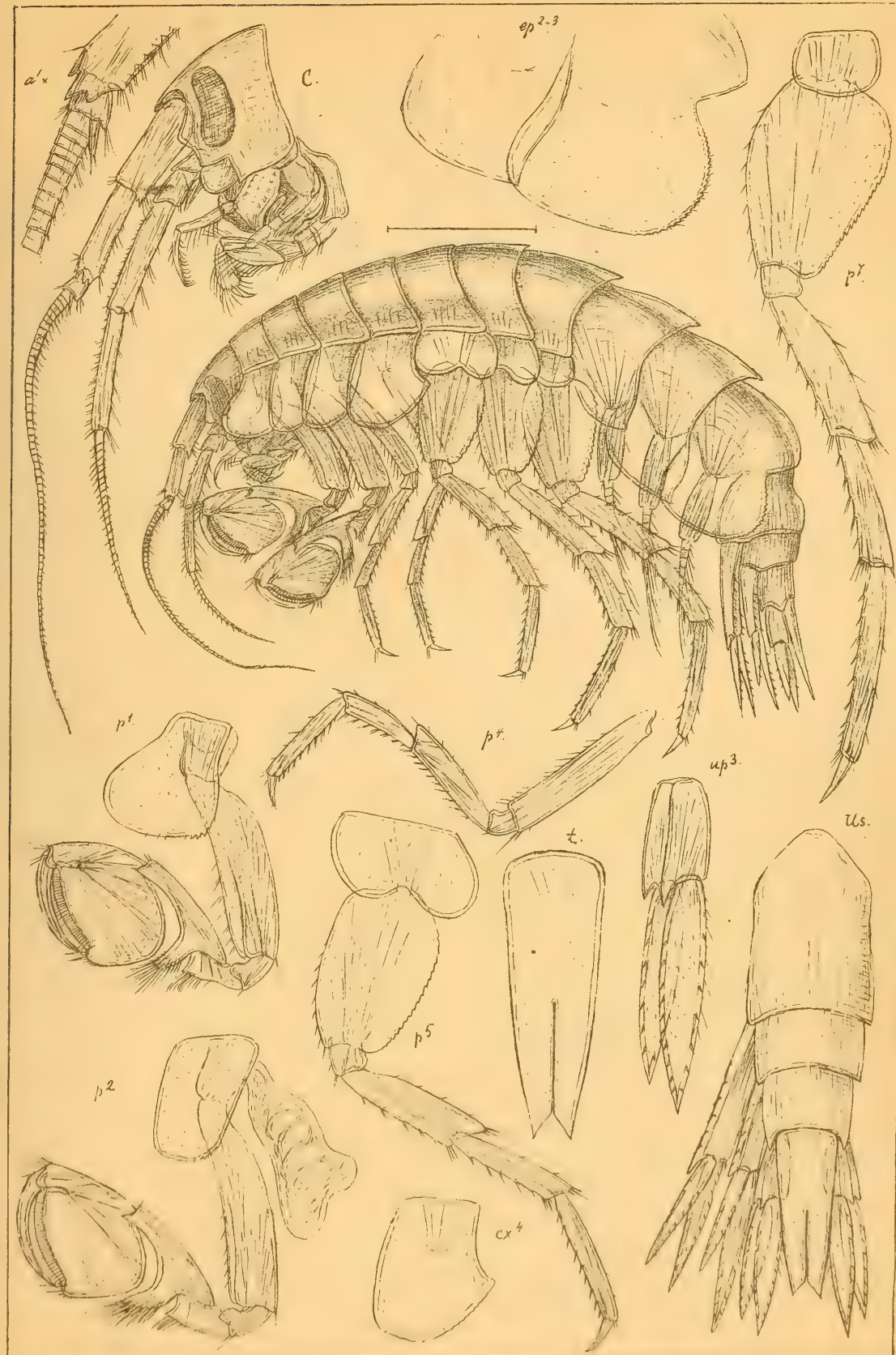
G.O Sars autogr.

Nicippe tumida, Bruzelius.



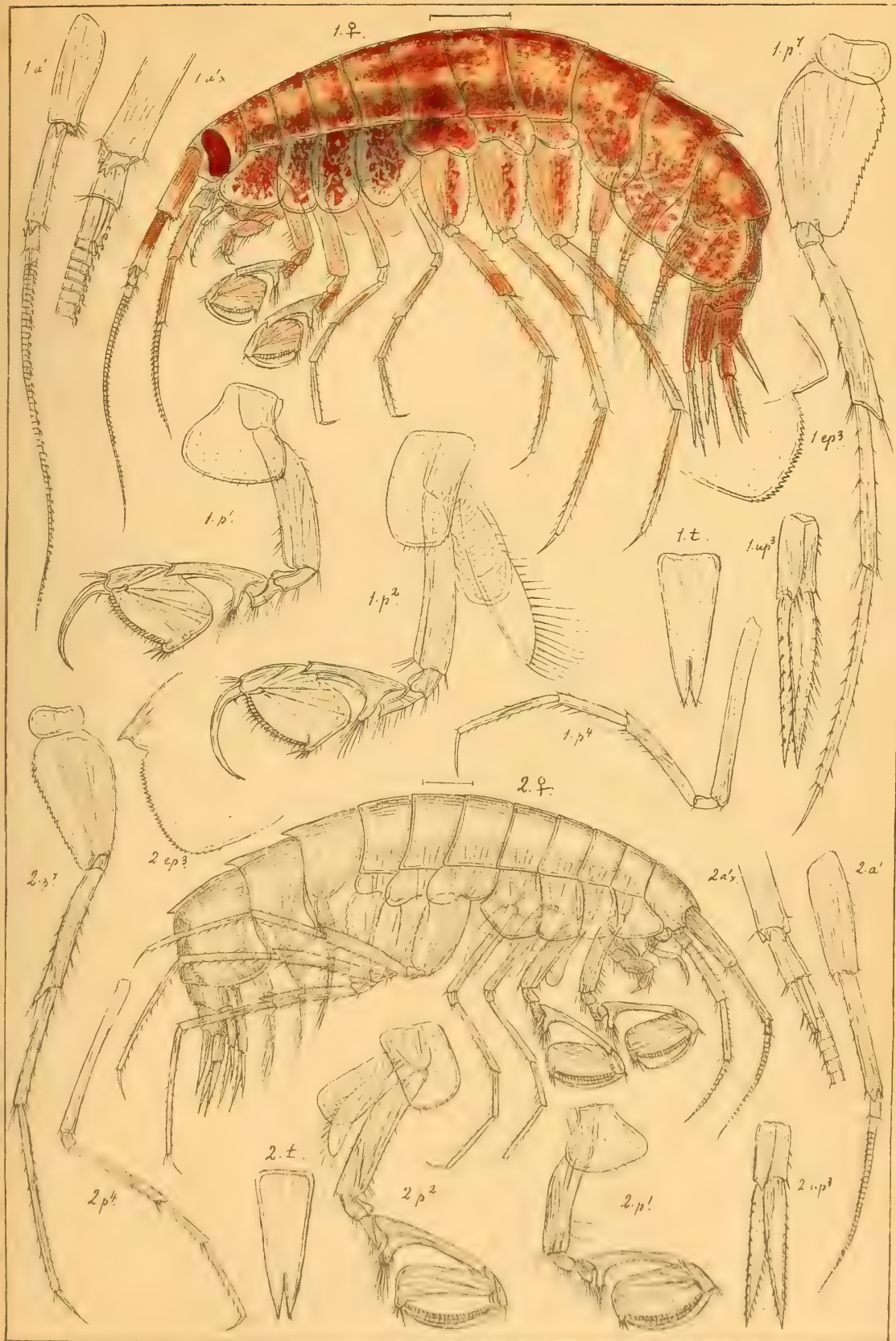
G.O.Sars autogr.

1. *Nicippe tumida*, Bruzel.
 2. *Halice abyssi*, Boeck.



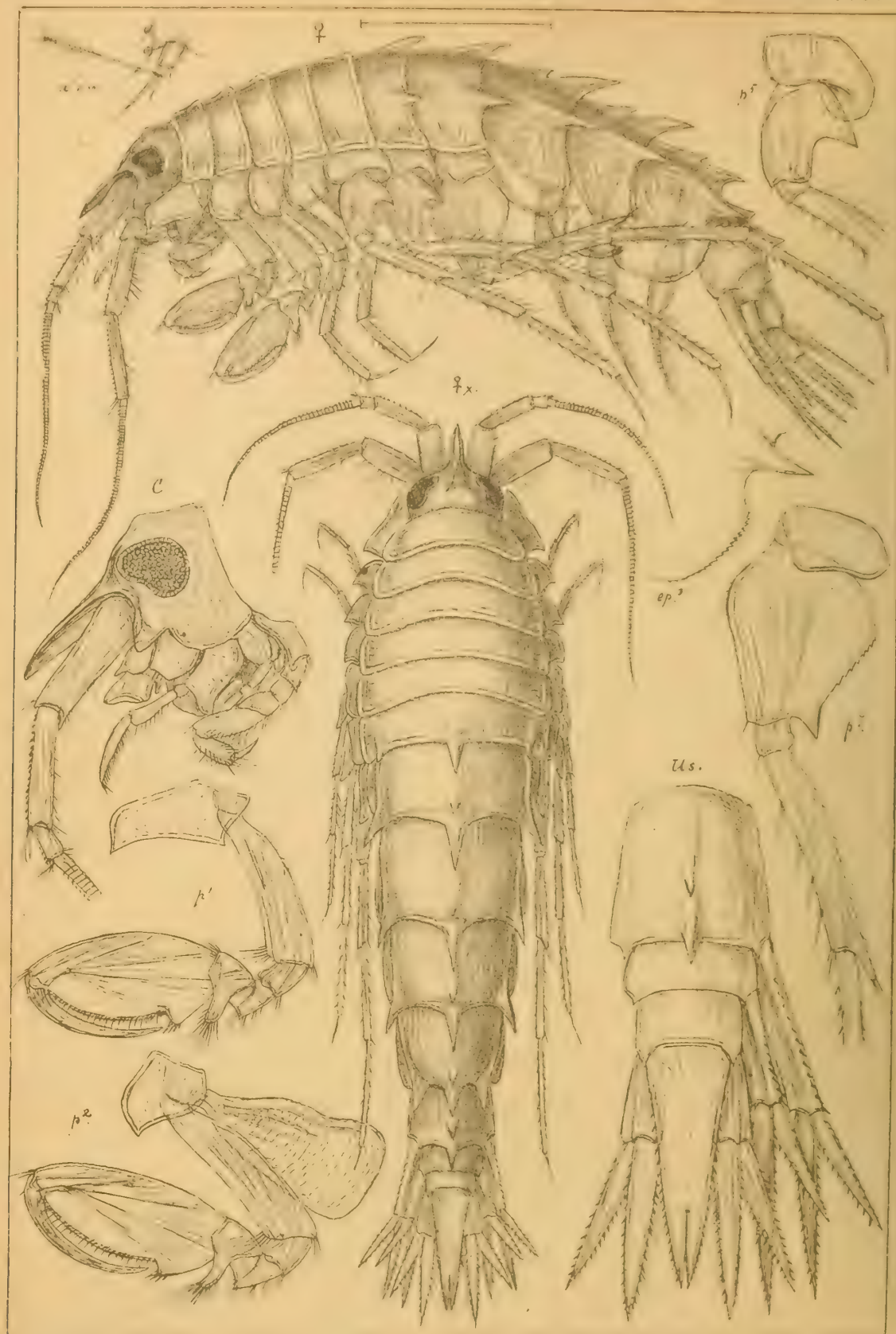
G.O Sars autogr.

Eusirus cuspidatus, Kröyer.

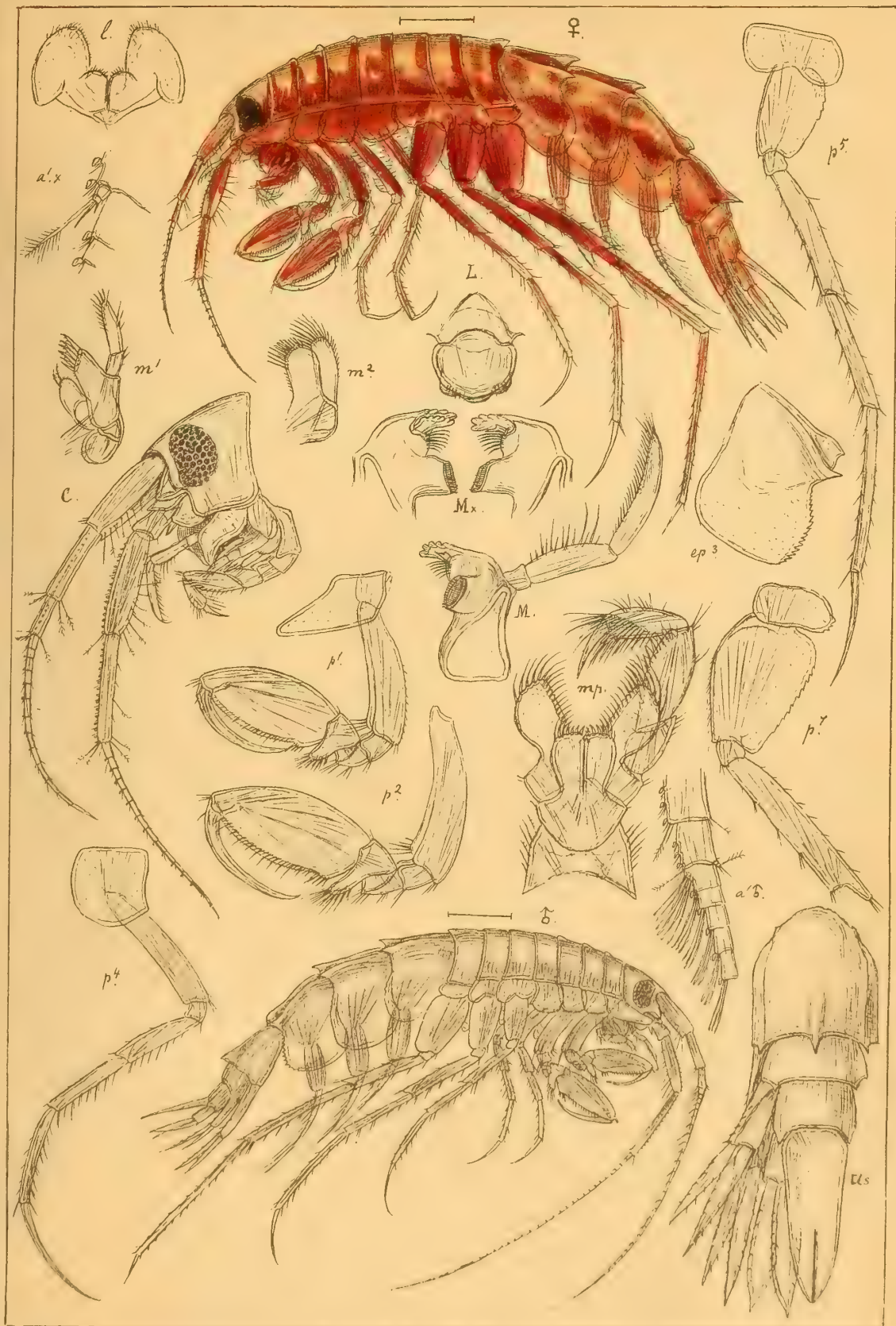


G.O.Sars autogr.

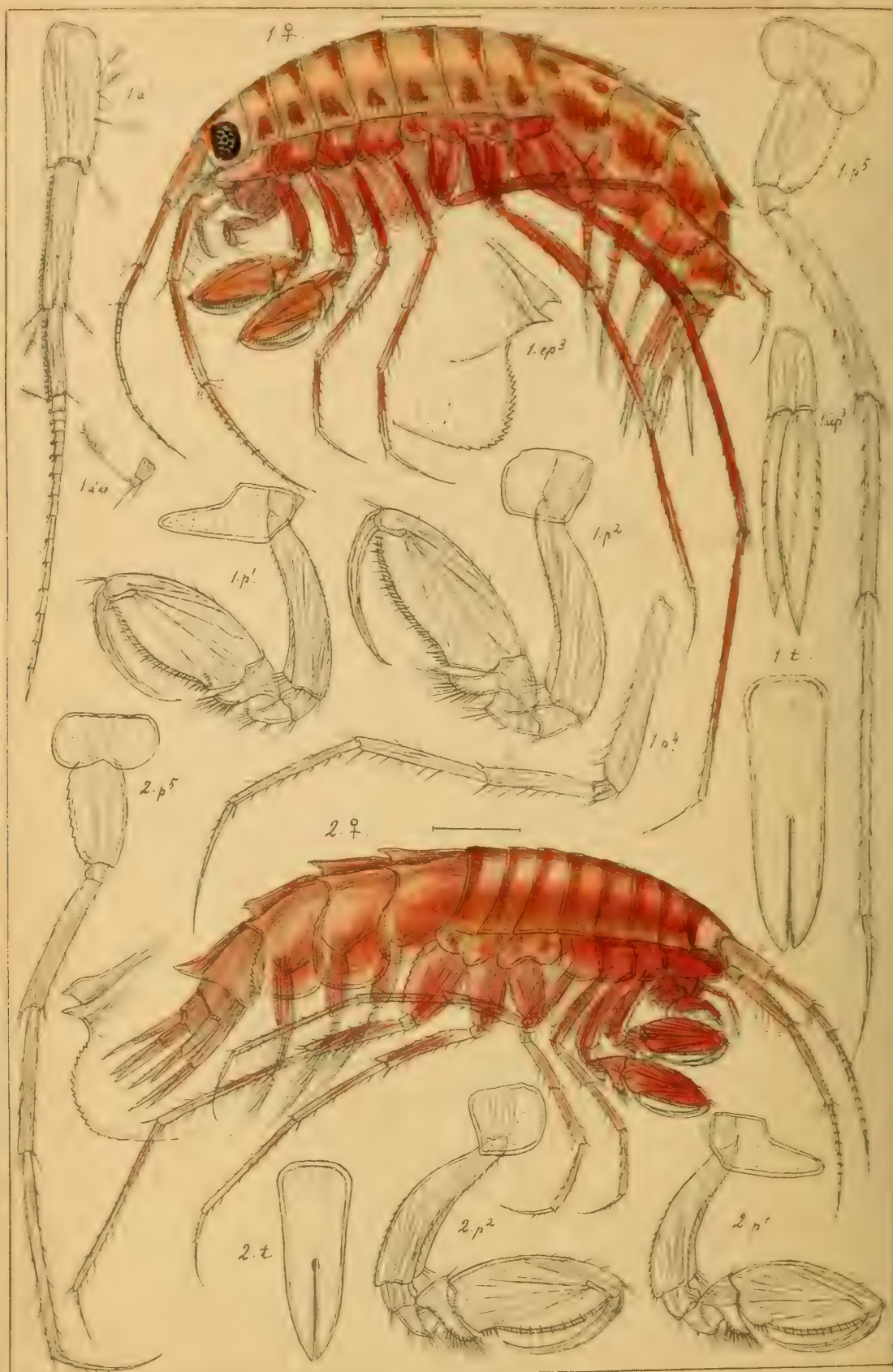
1. *Eusirus longipes*, Boeck.2. *Eusirus leptocarpus*, n. sp.



G.O.Sars autogr. *Rhachotropis aculeata* (Lepechin.)

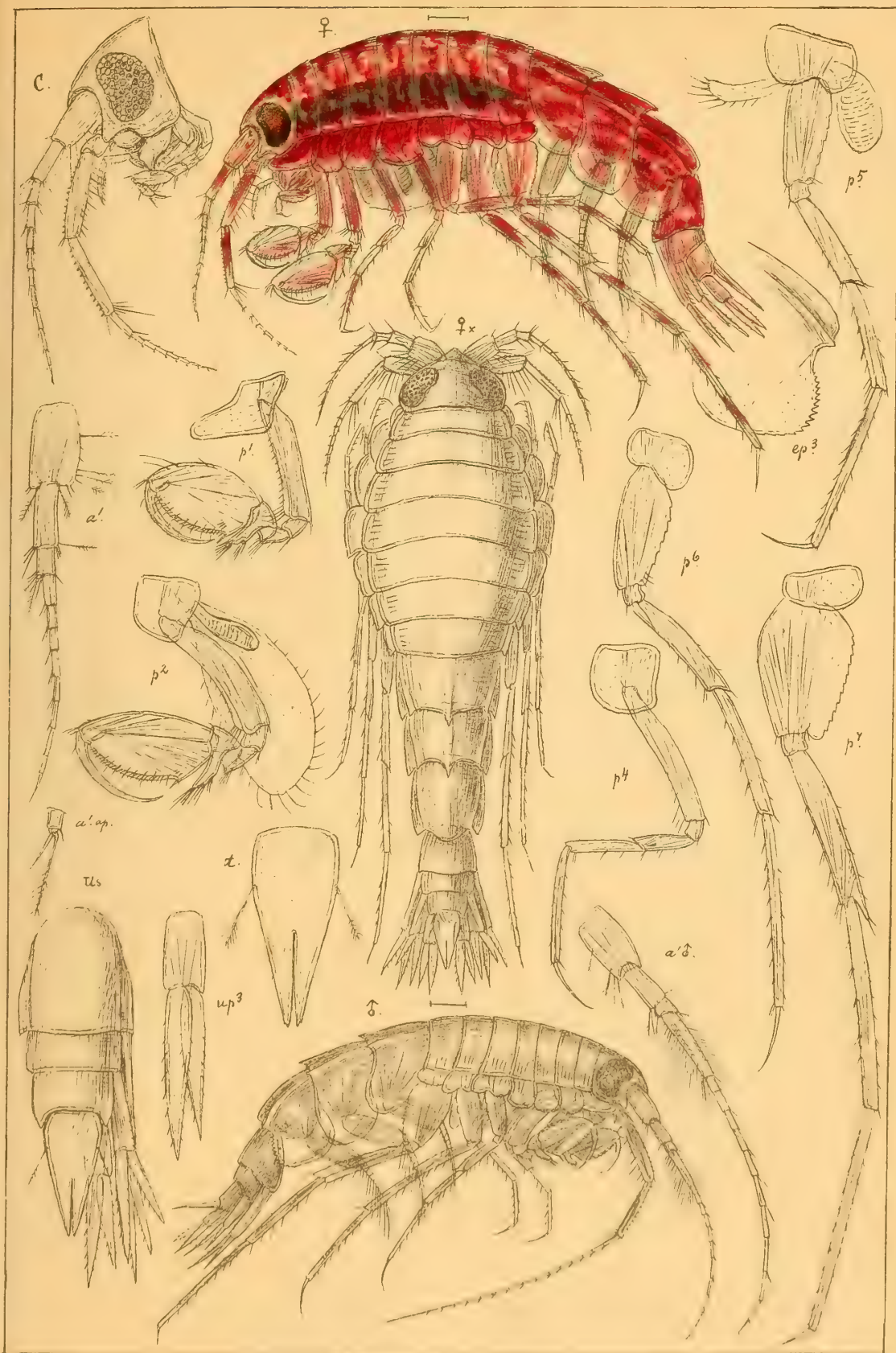


G.O. Sars autogr. *Rhachotropis Helleri*, (Boeck.)



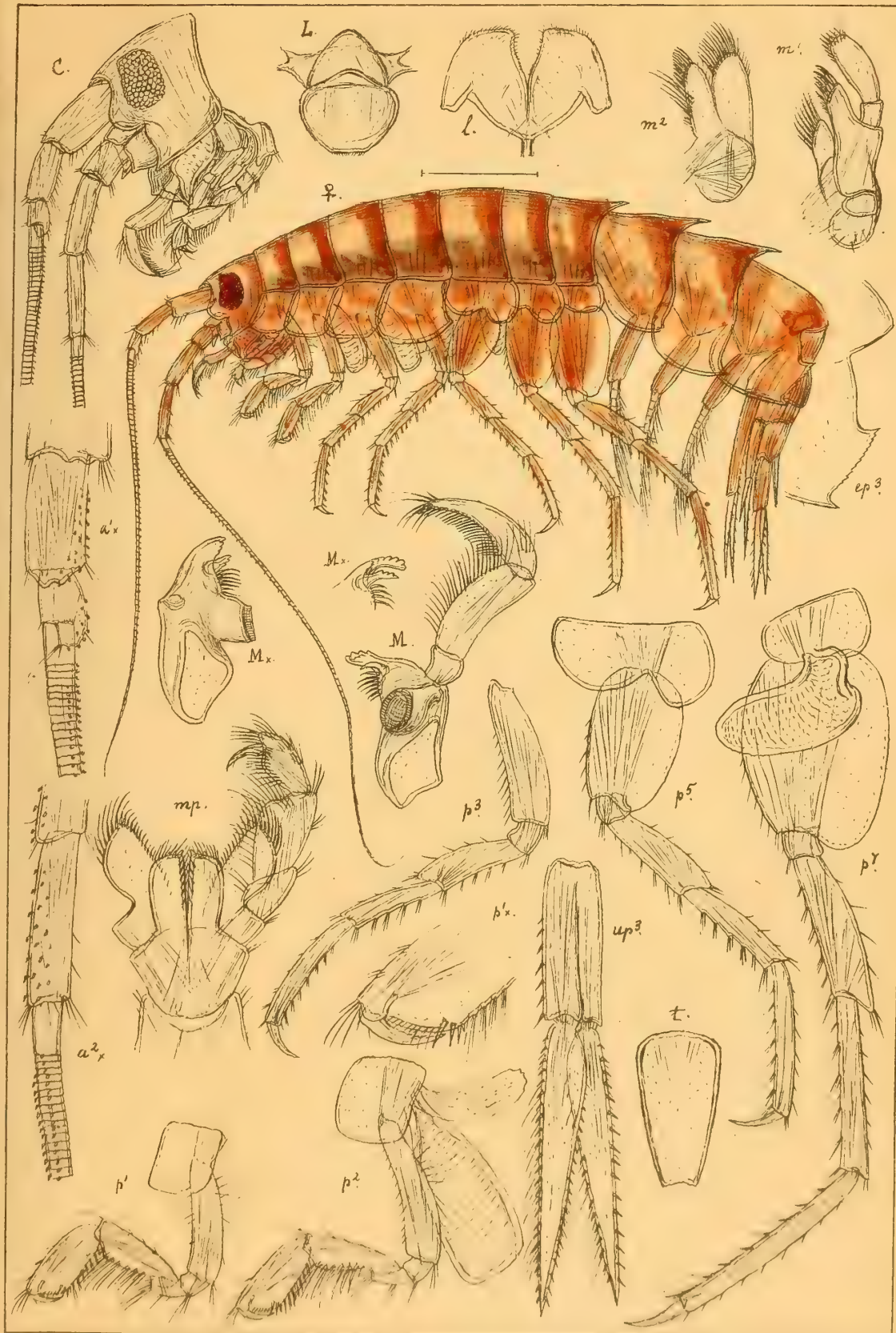
G.O. Sars autogr.

1. *Rhachotropis macropus*, n. sp.2. *Rhachotropis leucophthalma*, n. sp.

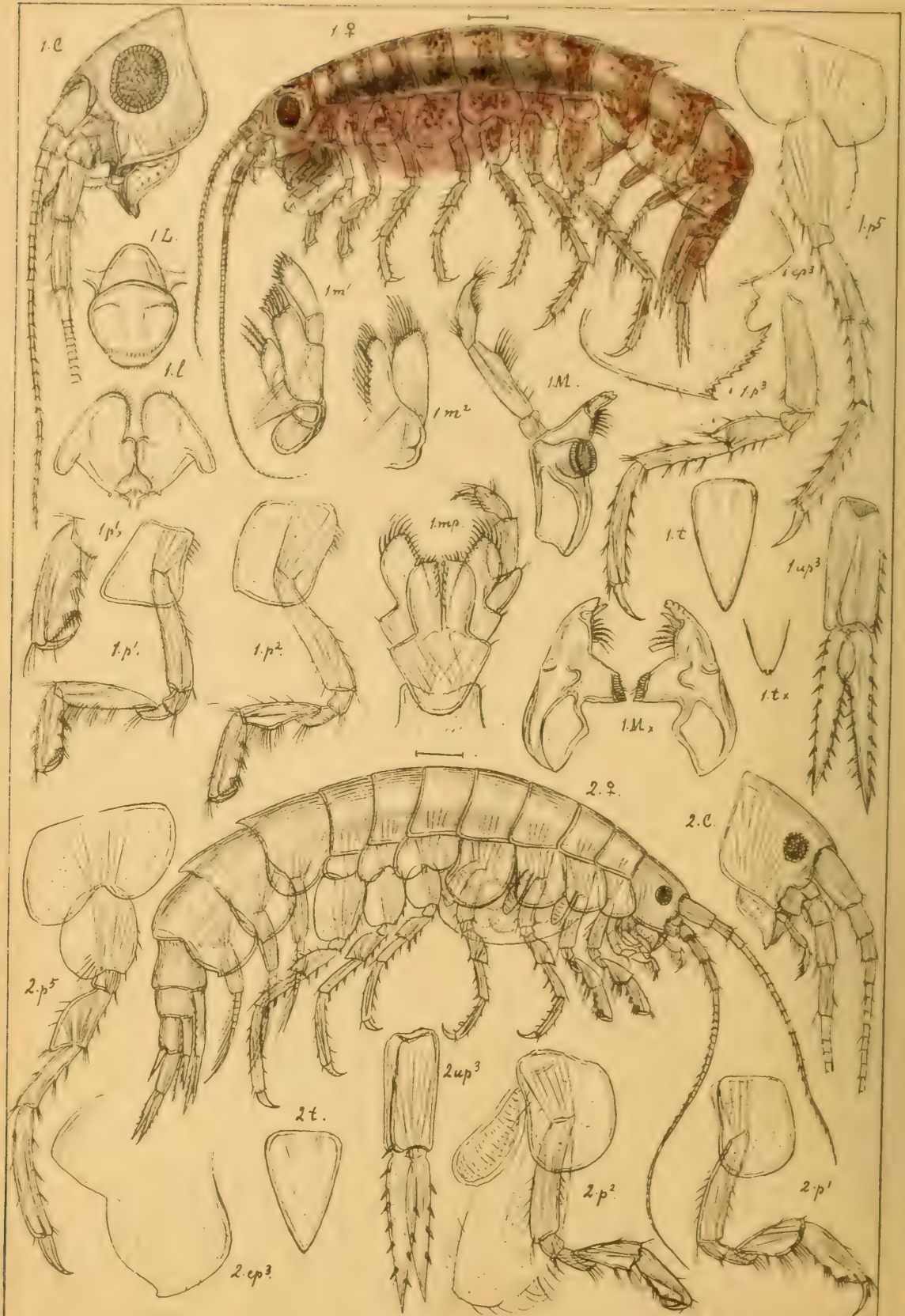


G.O. Sars autogr.

Rhachotropis tumida, G.O. Sars.

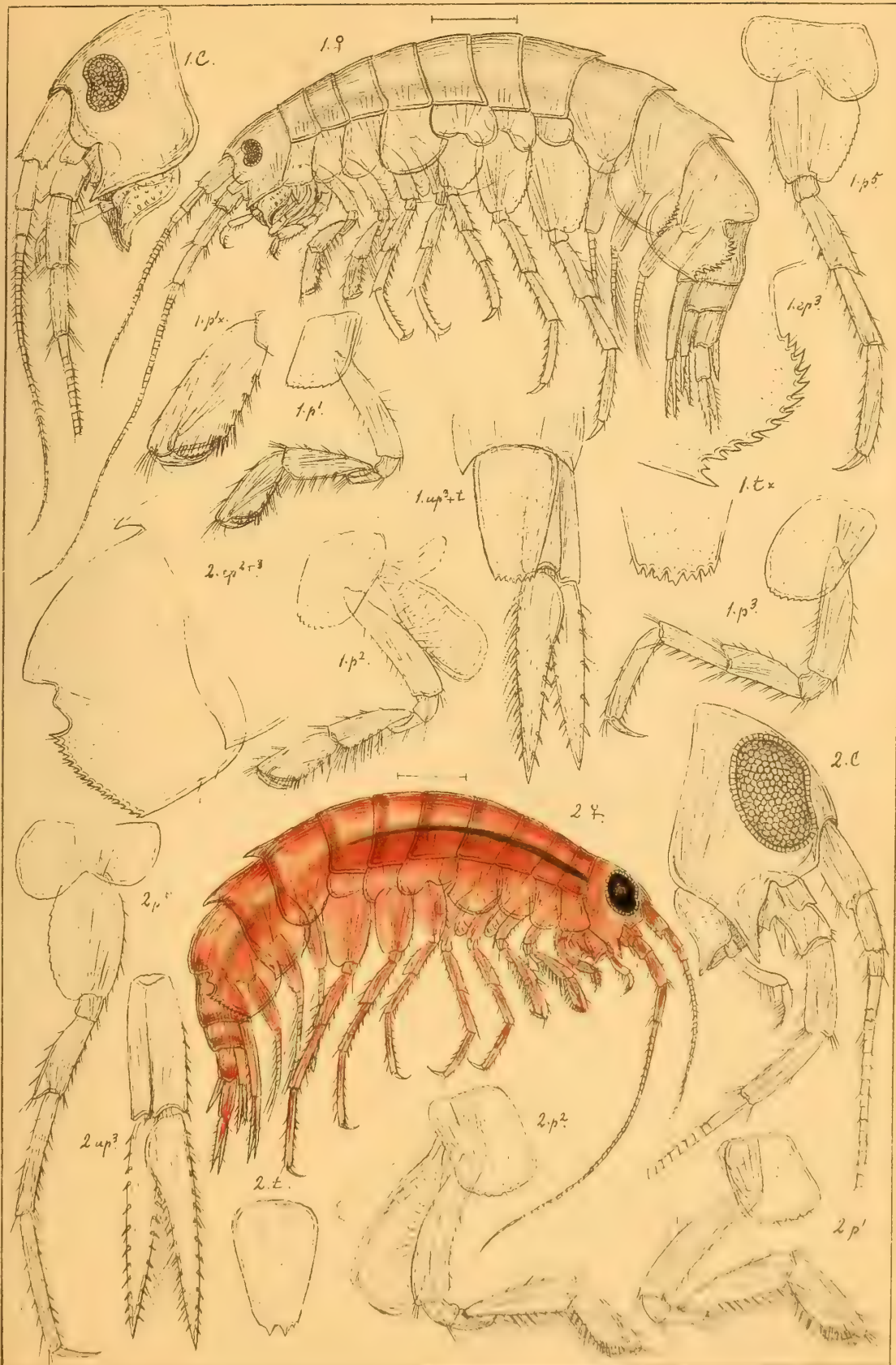


G.O.Sars autogr. *Halirages fulvocinctus*, (M.Sars.)



G.O.Sars autogr.

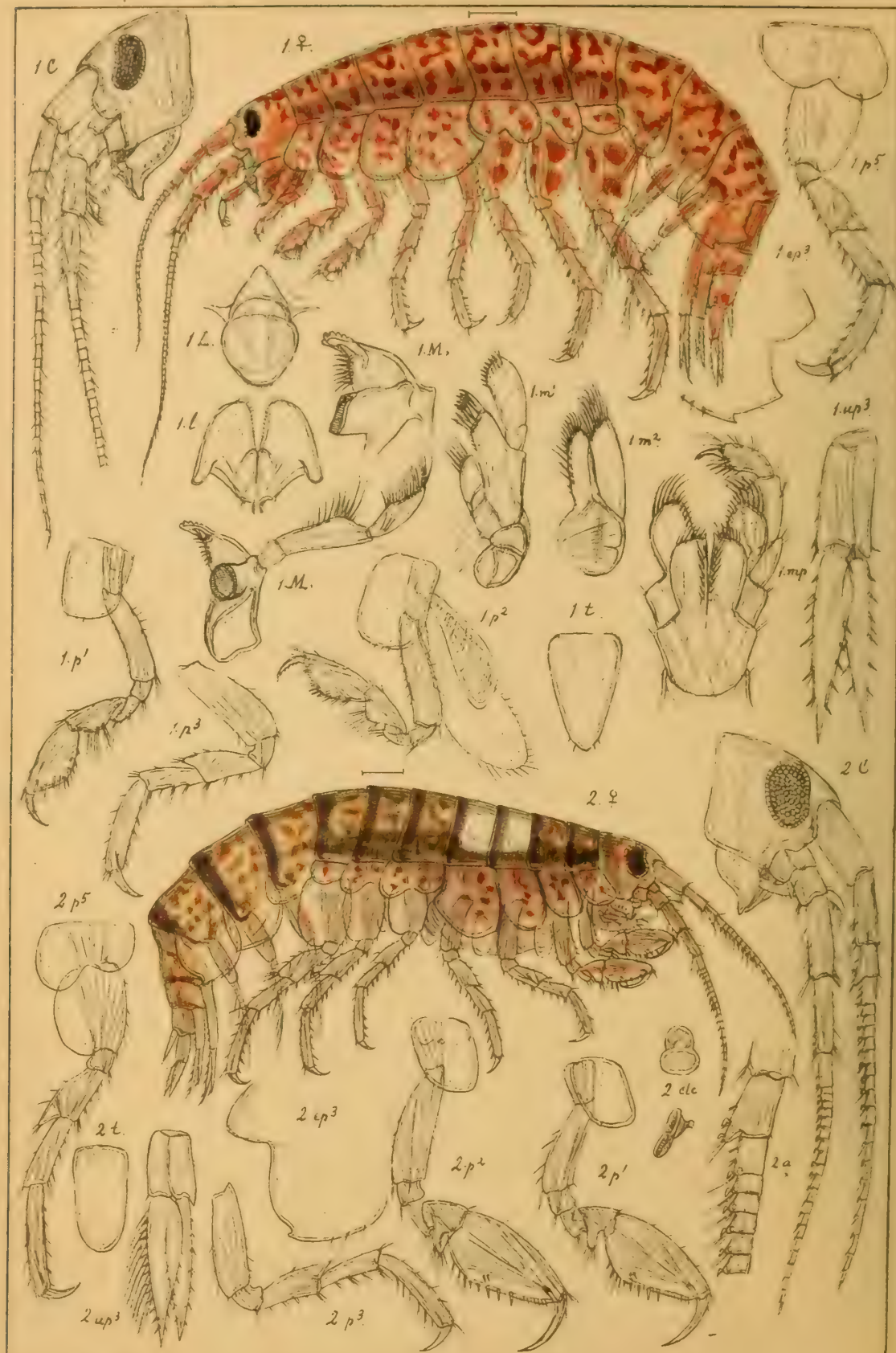
1. *Apherusa bispinosa*, (Sp. Bate.)
2. *Apherusa borealis*, (Boeck.)



G.O.Sars autogr.

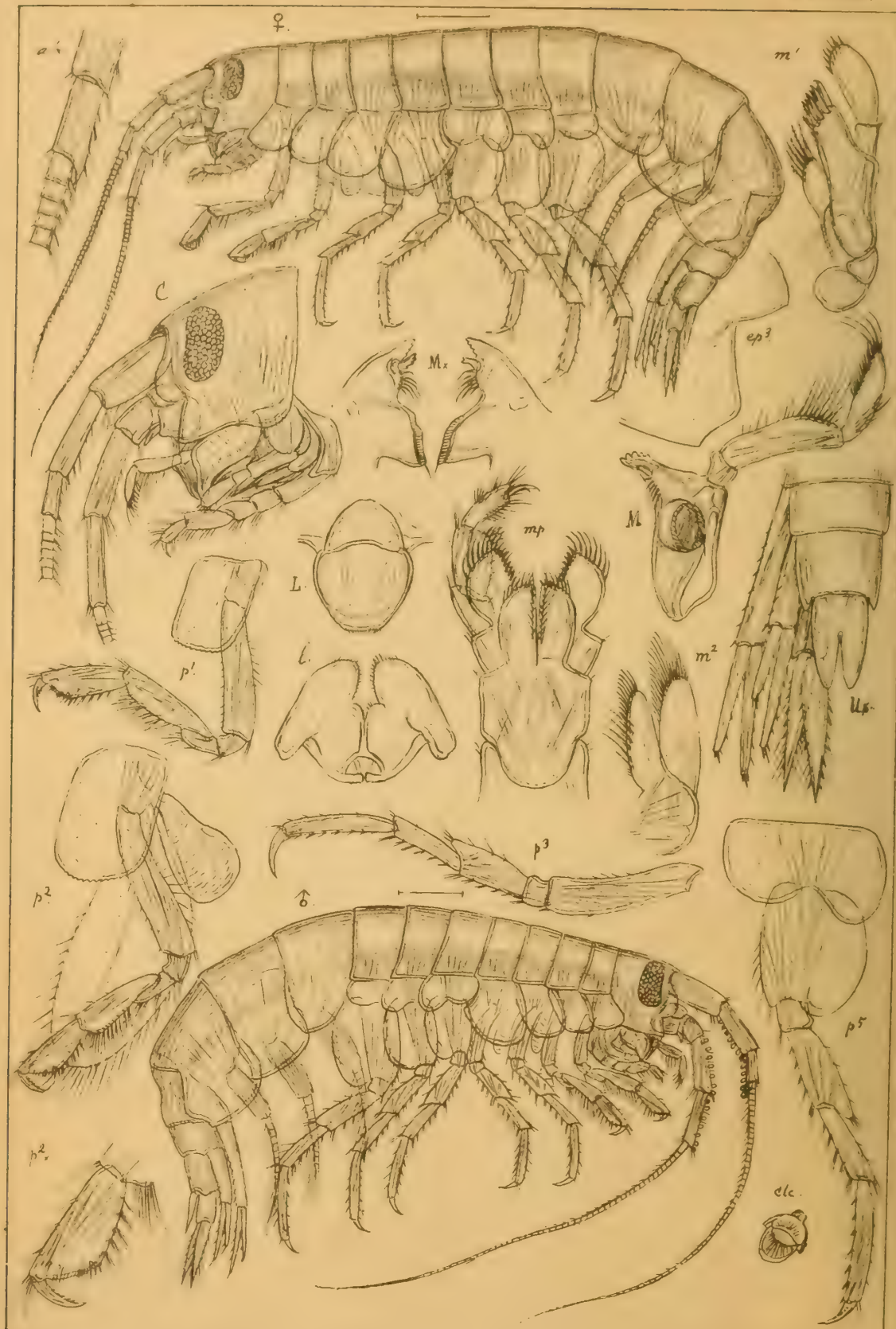
1. *Apherusa tridentata*, (Bruz.)

2. *Apherusa megatops*, G.O.Sars.

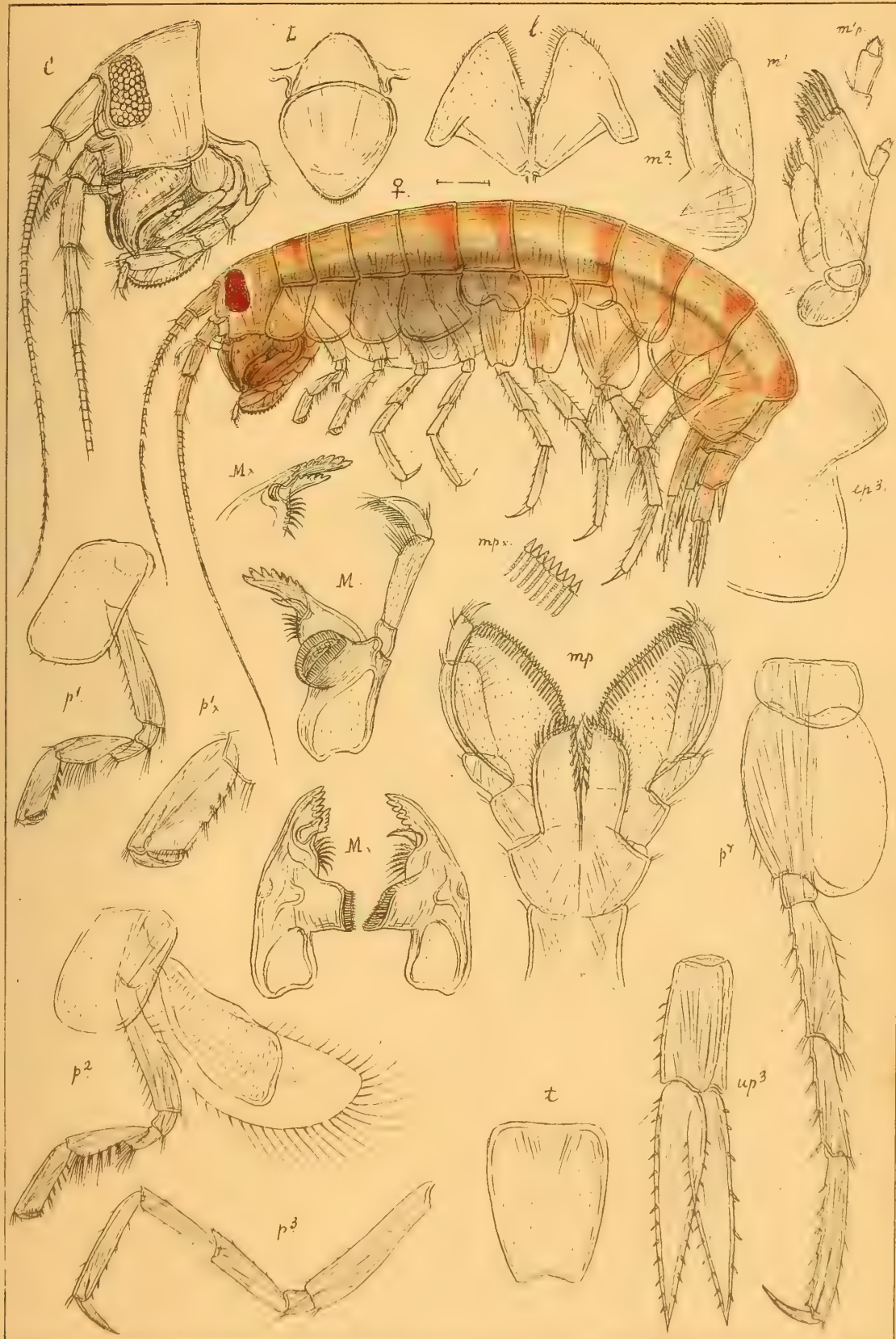


G.O. Sars autogr.

1. *Apherusa Jurinii*, (M-Edw.).2. *Calliopius Rathkei*, (Zaddach.)

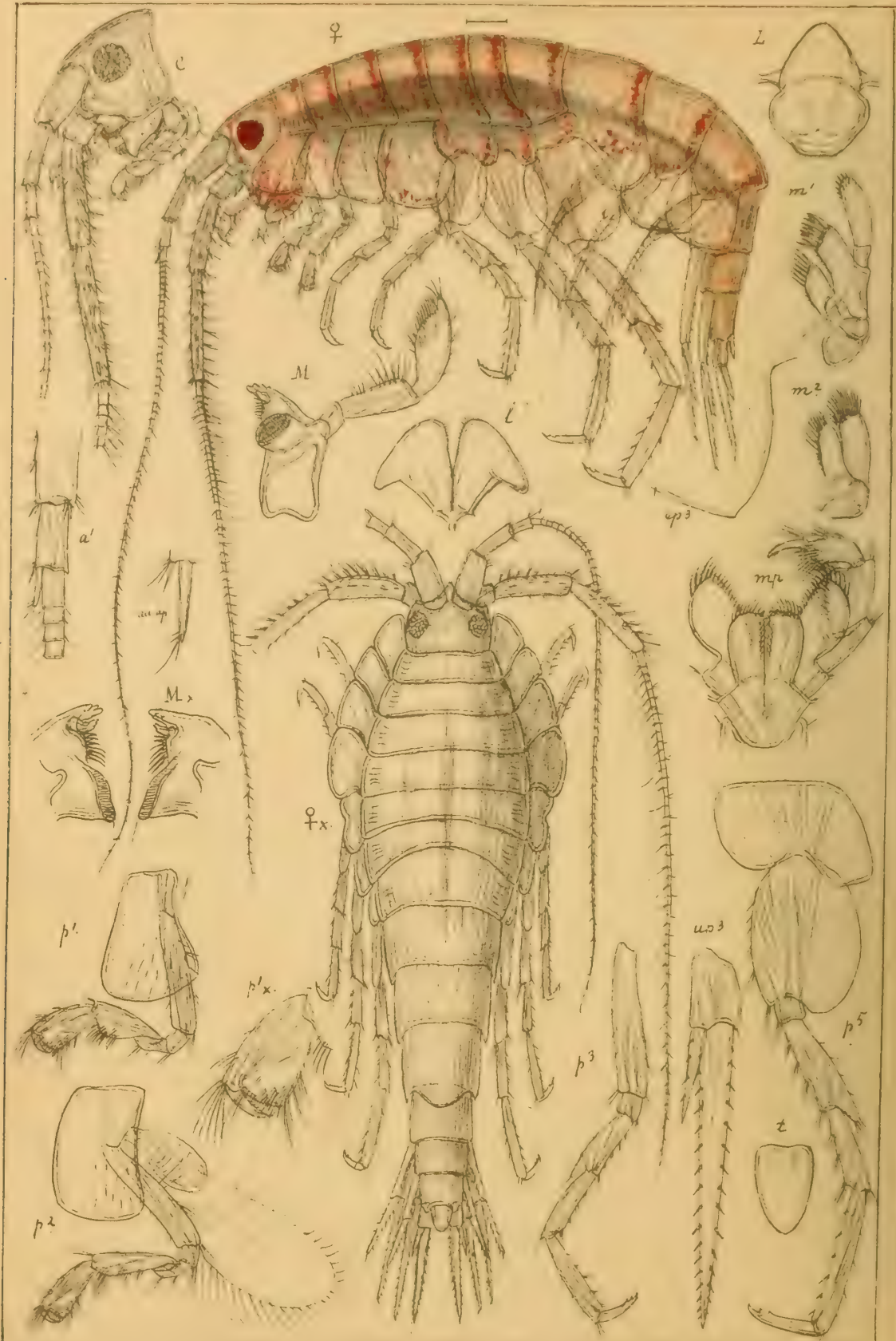


G.O. Sars autogr. *Pontogeneia inermis*, (Kröyer.)

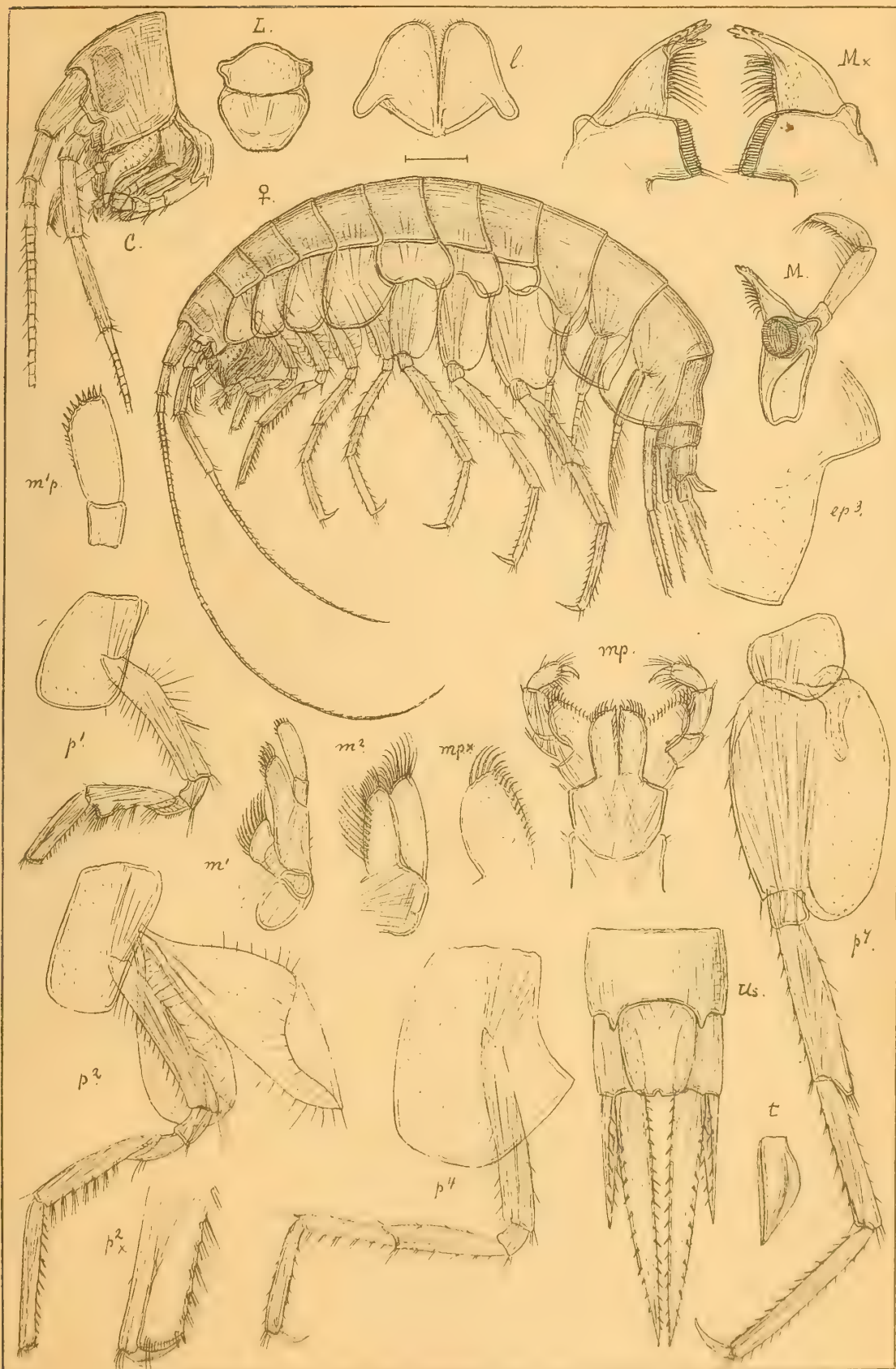


G.O.Sars autogr.

Laethoë Meinerti, Boeck.

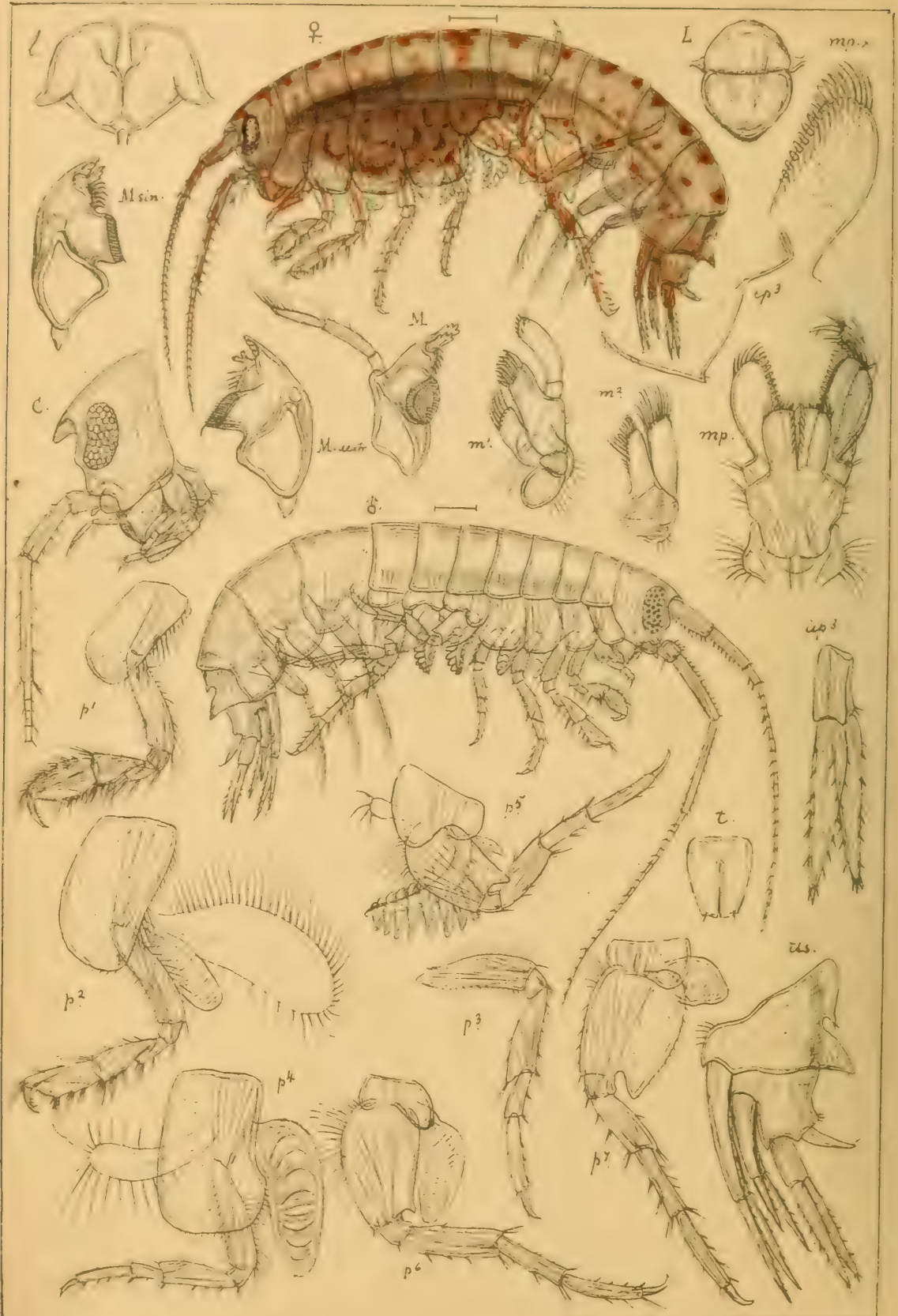


G.O.Sars autogr. *Amphithopsis longicauda*, Boeck.



G.O. Sars autogr.

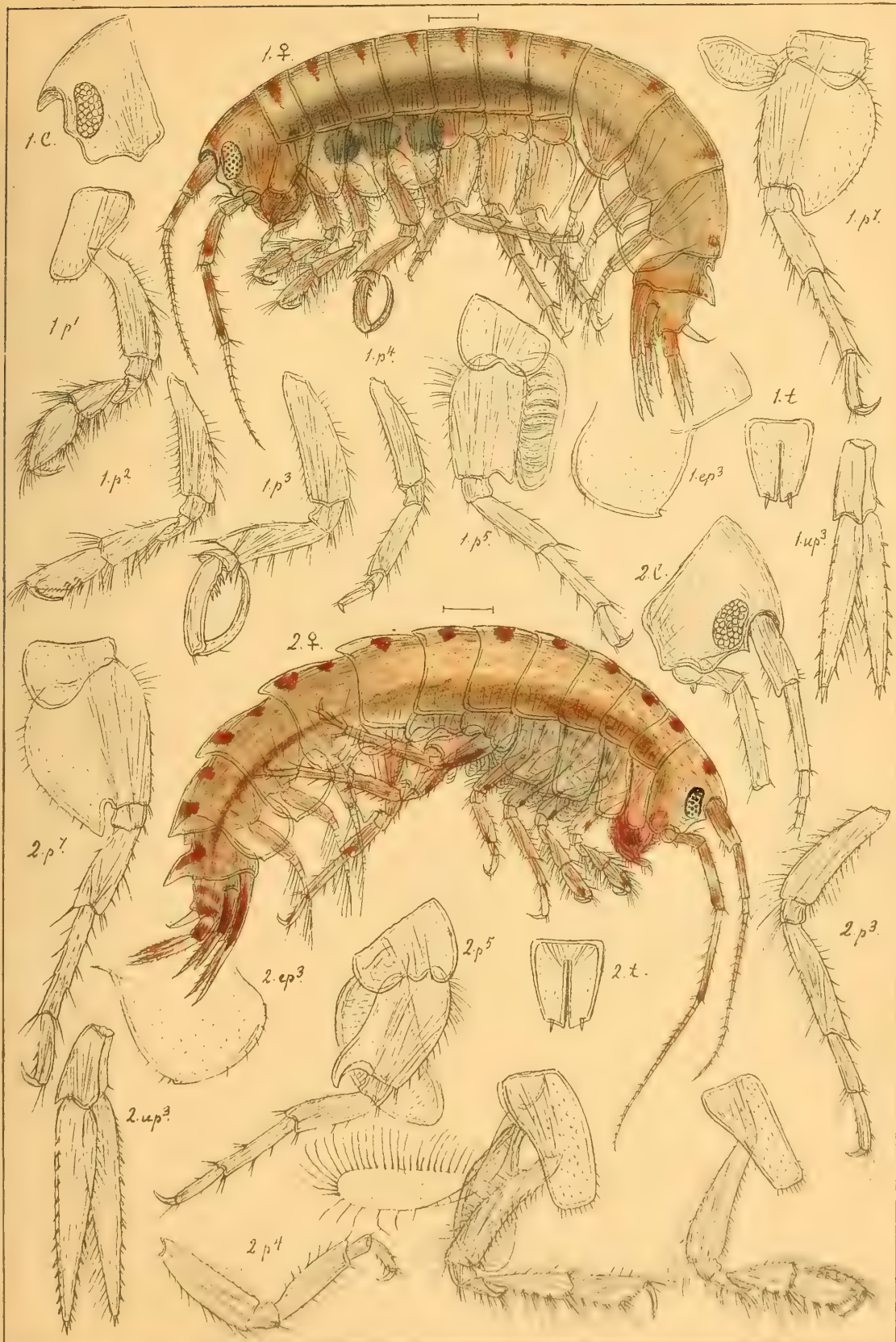
Leptamphopus longimanus, (Boeck.)



G.O.Sars autogr.

Paratylus Swammerdami, (M-Edw.)

Adapt.



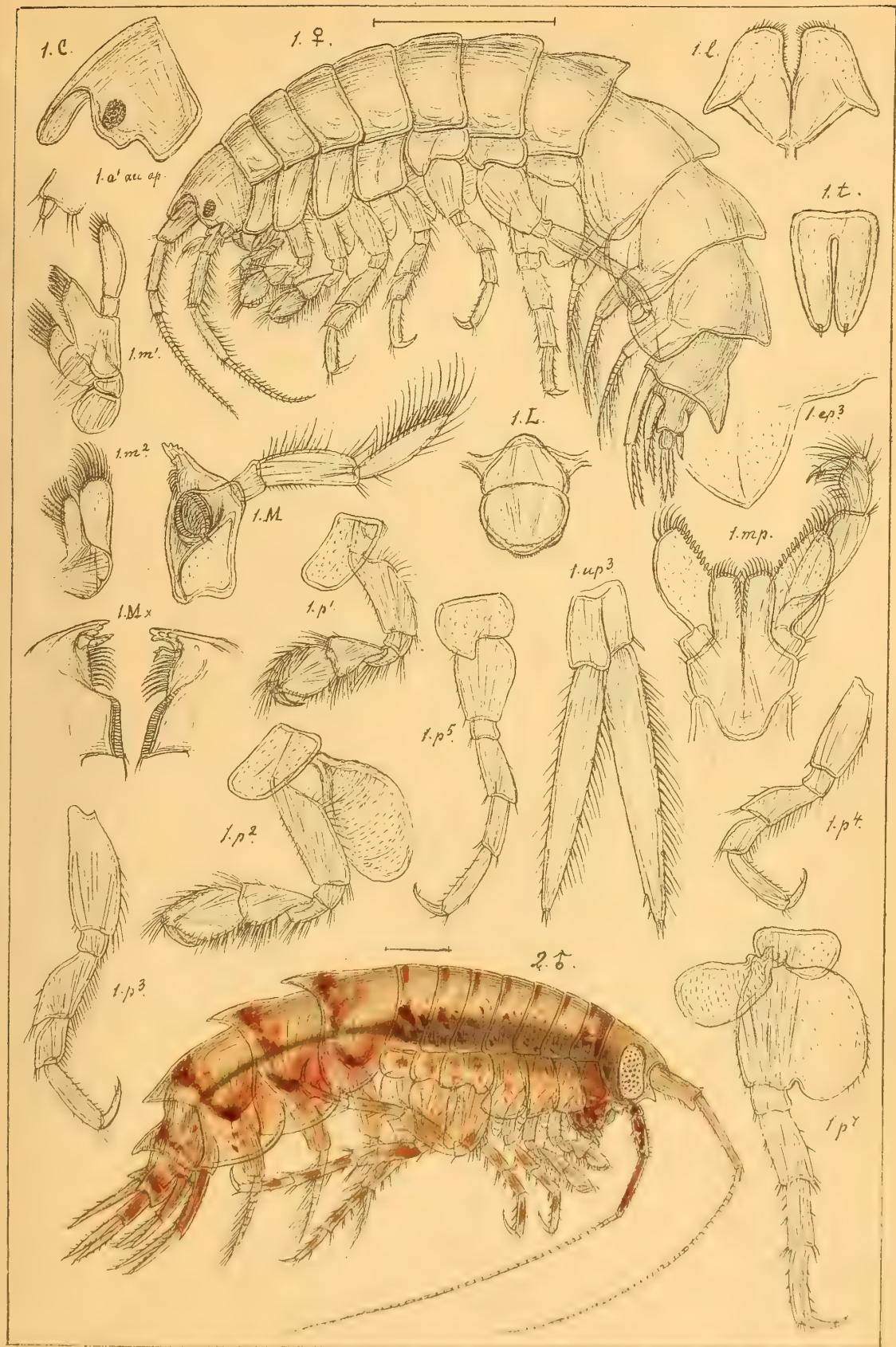
G.O. Sars autogr.

1. *Paratylus falcatus*, (Metzger.)2. *Paratylus vedlomensis*, (Sp. Bate).



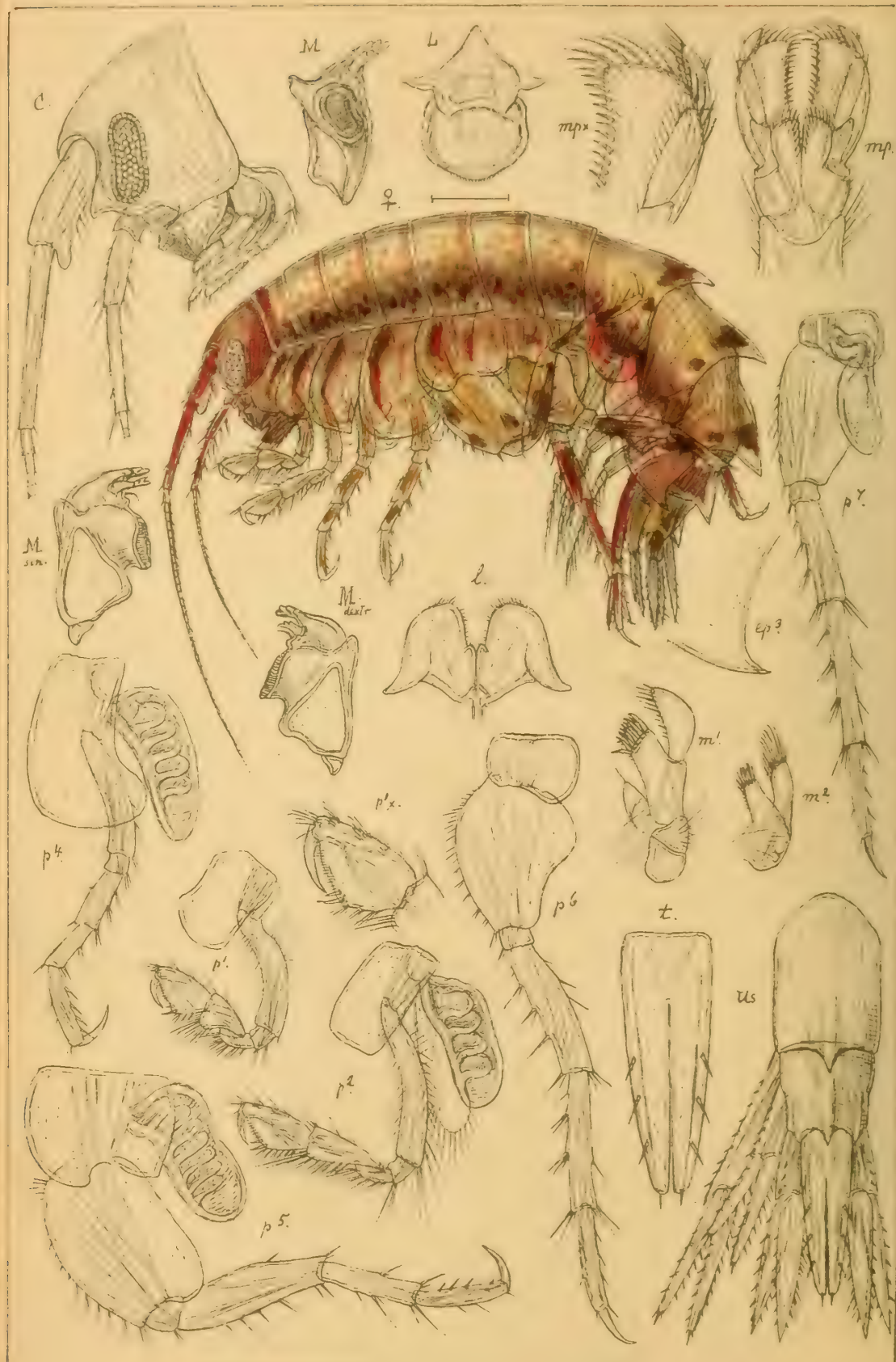
G.O. Sars autogr.

1. *Paratylus Smithi*, (Goës).2. *Paratylus nordlandicus*, (Boeck.)



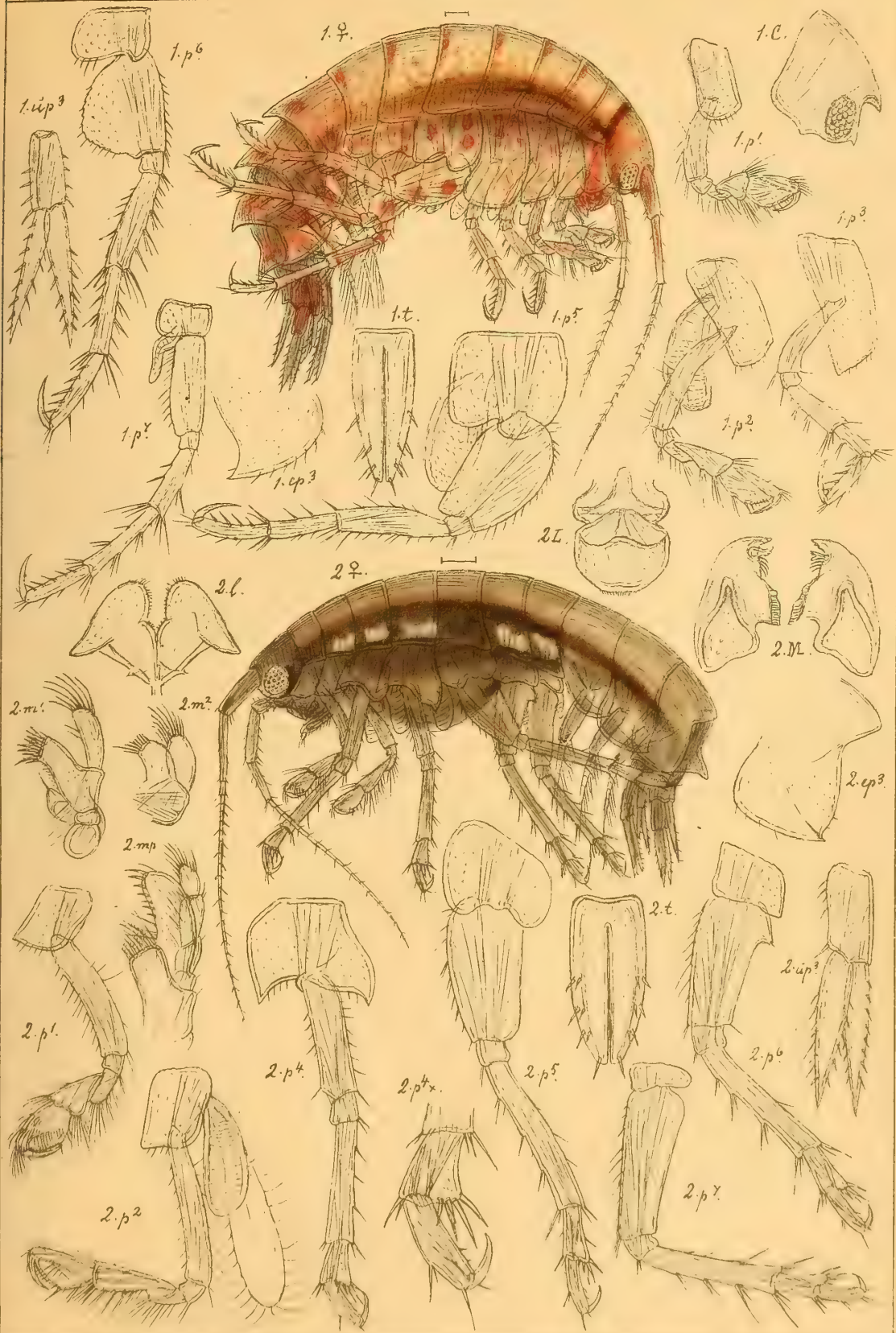
G.O Sars autogr.

1. *Atylus carinatus*, (Fabr.)
 2. *Dexamine spinosa*, (Mont.) ♂.



G.O. Sars autogr.

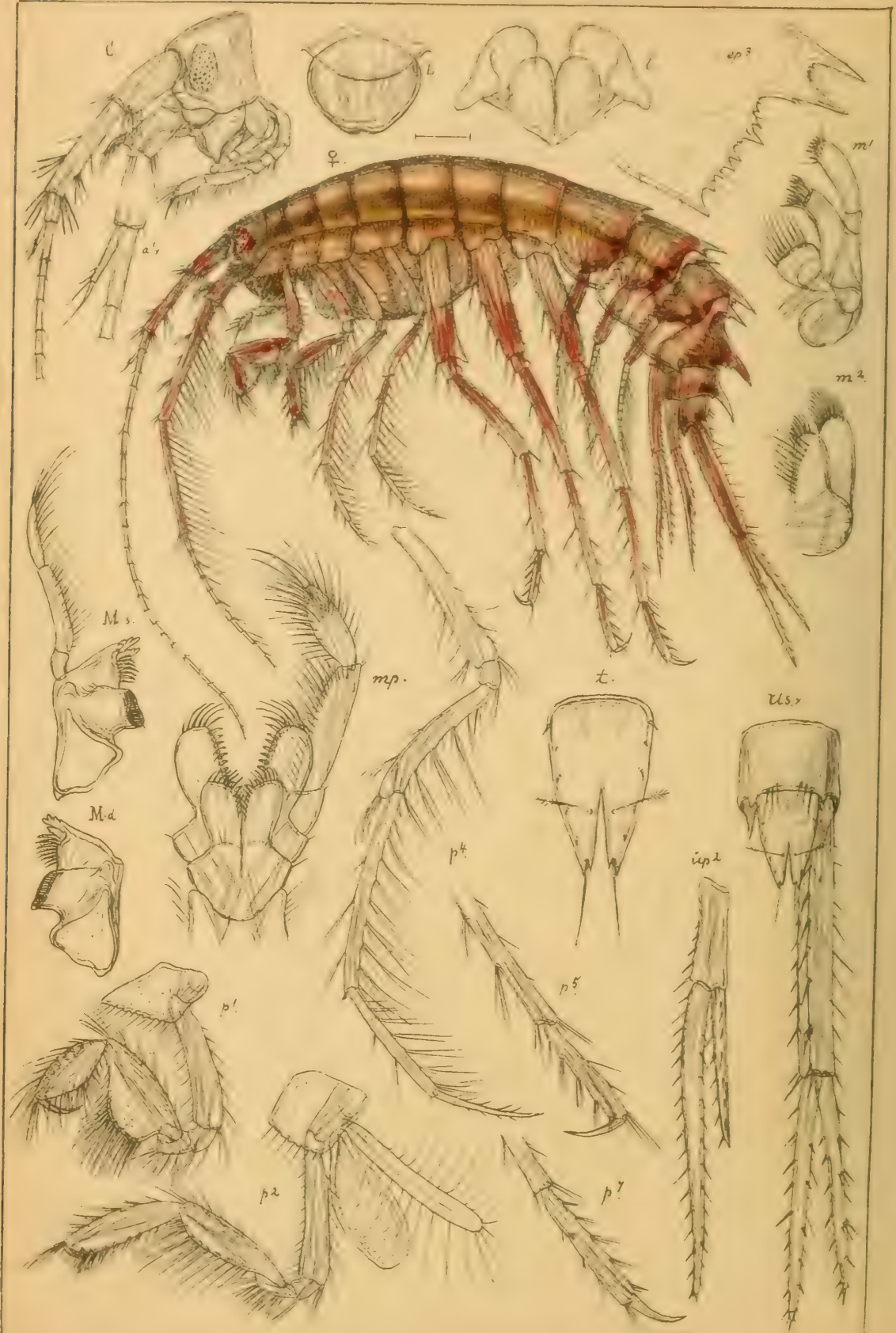
Dexamine spinosa, (Mont.) ♀.



G.O. Sars autogr.

1. *Dexamine Thea*, Boeck.

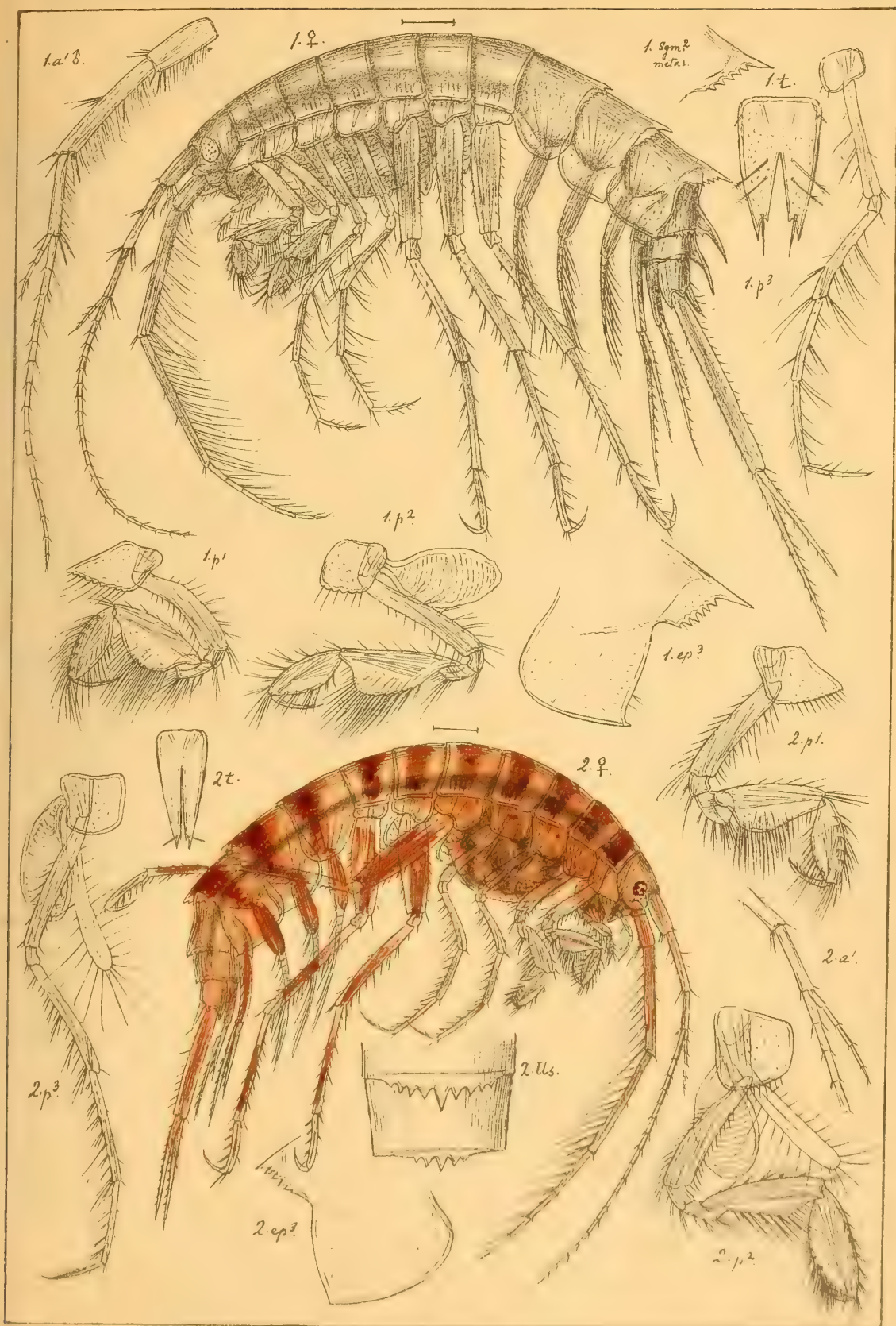
2. *Tritæta gibbosa*, (Sp. Bate.)



G.O. Sars autogr.

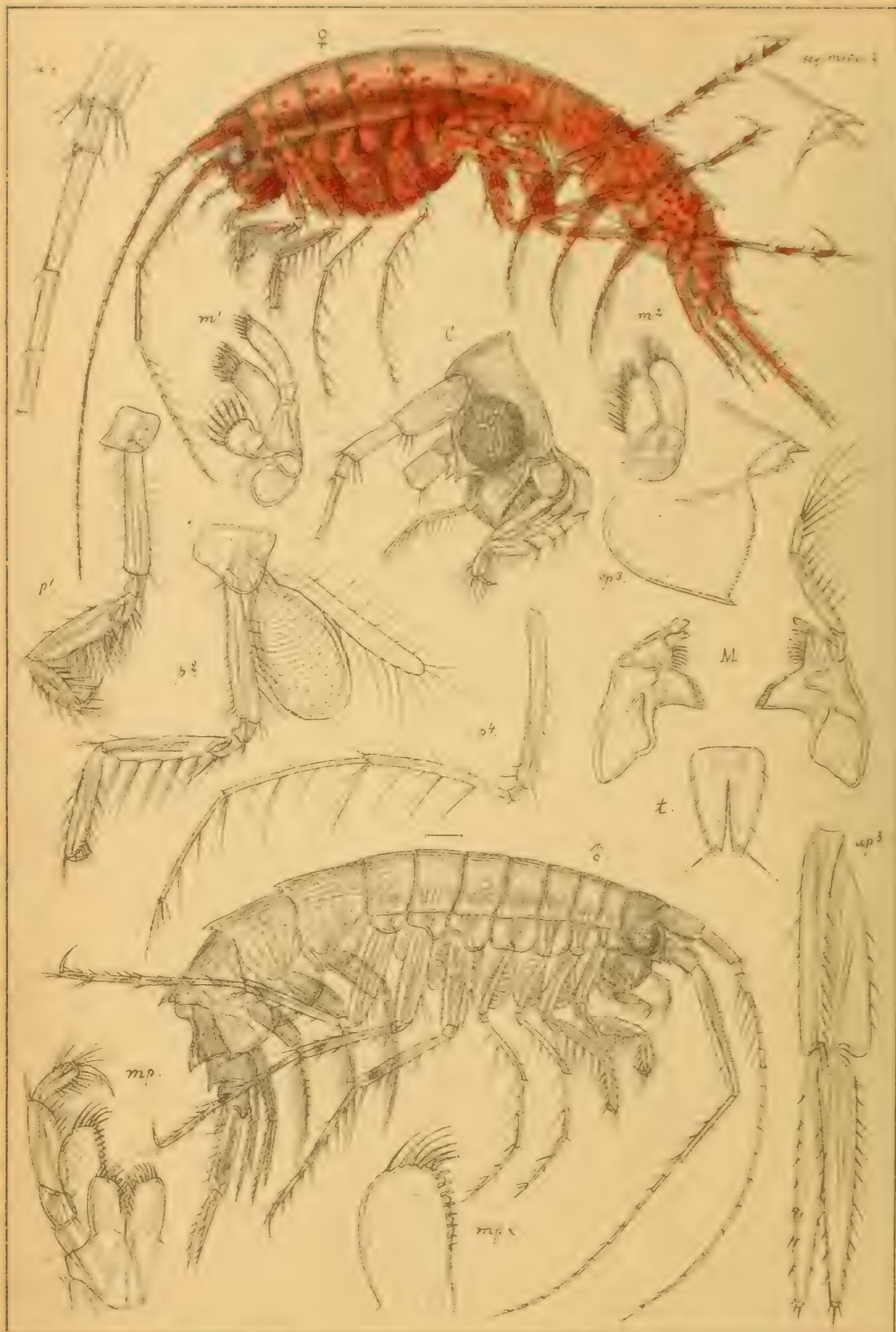
Melphidippa spinosa, (Goës.)

acule spinosa



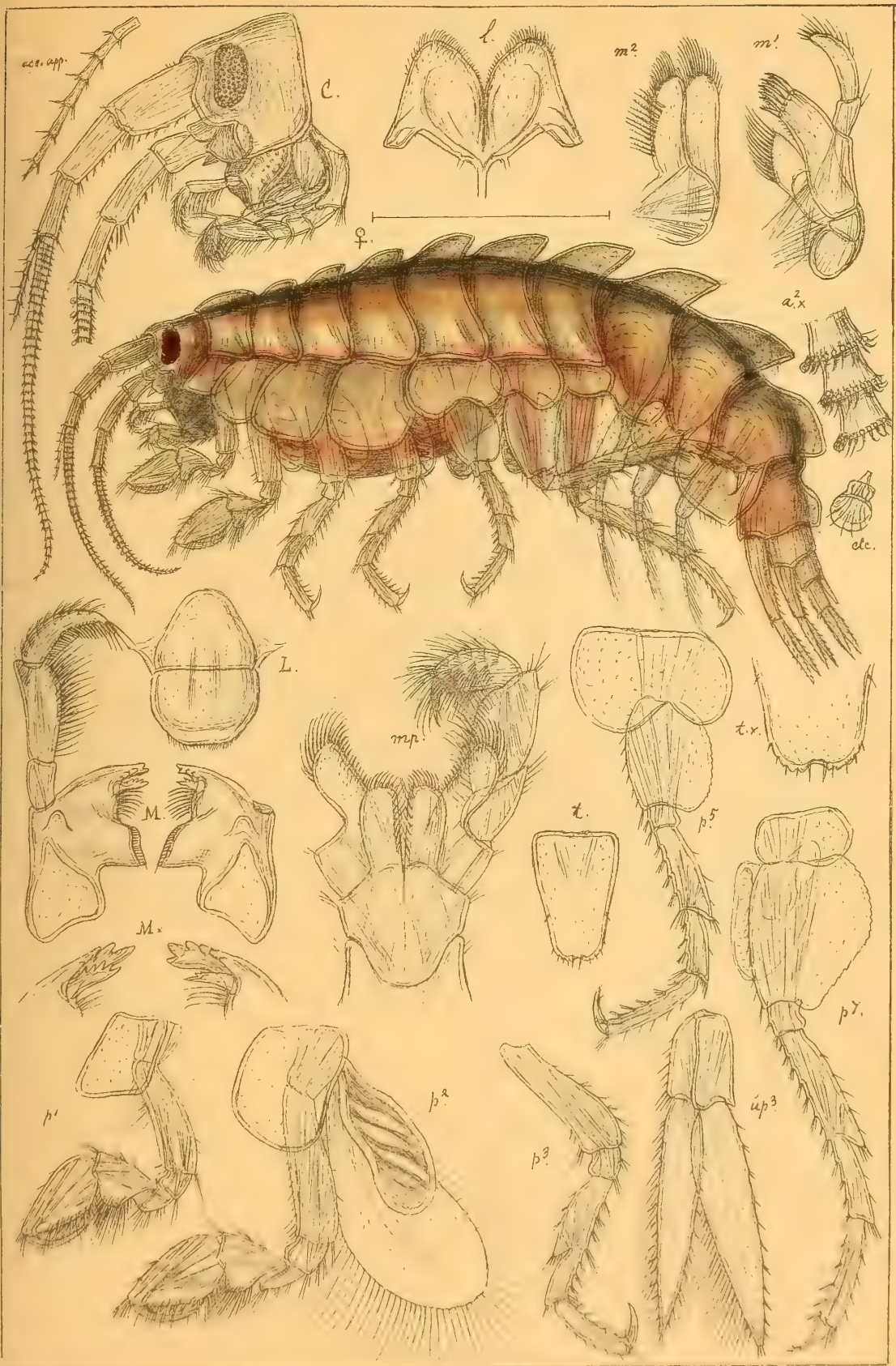
G.O.Sars autogr.

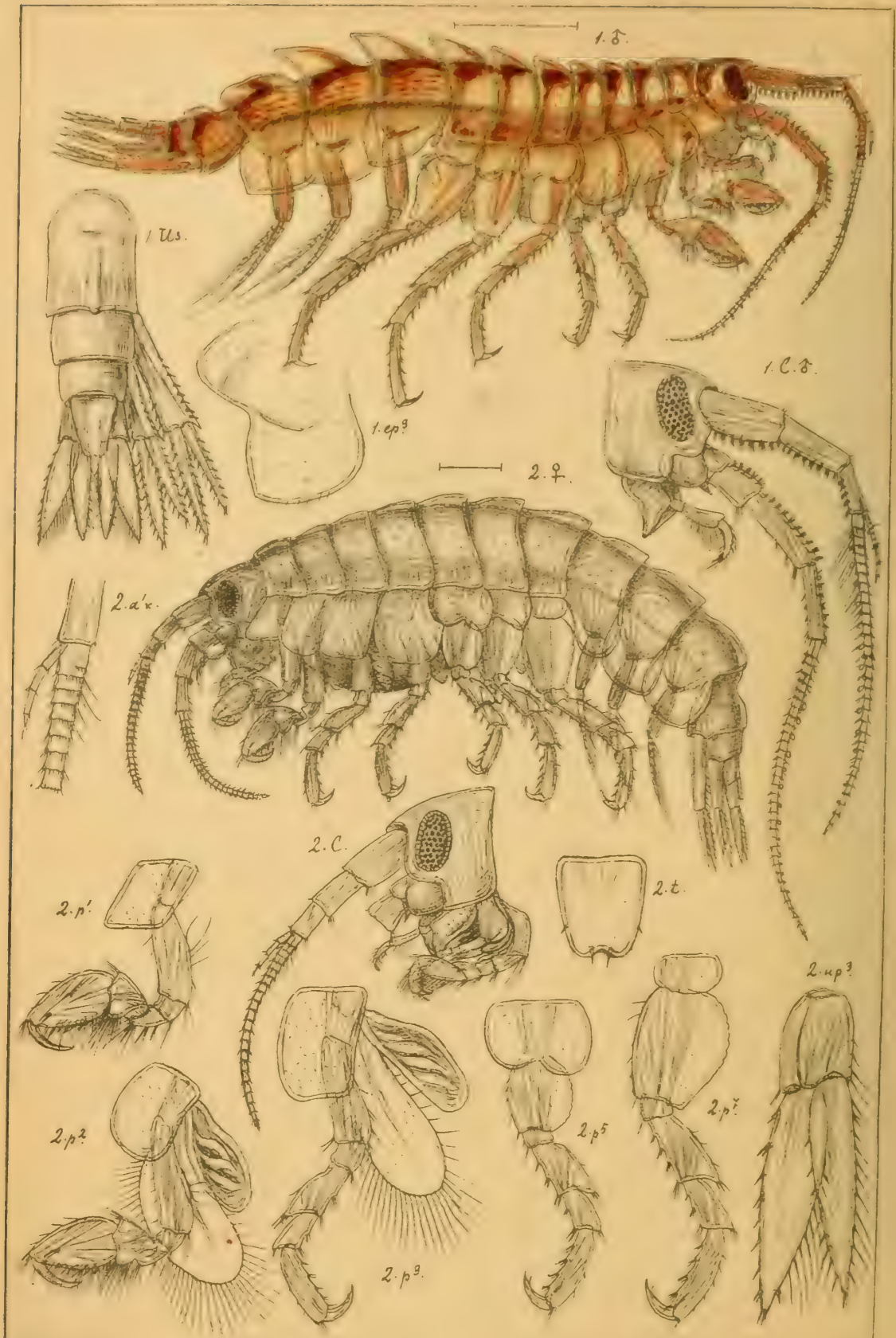
1. *Melphidippa macrura*, n.sp.2. *Melphidippa borealis*, Boeck.



G.O. Sars autogr.

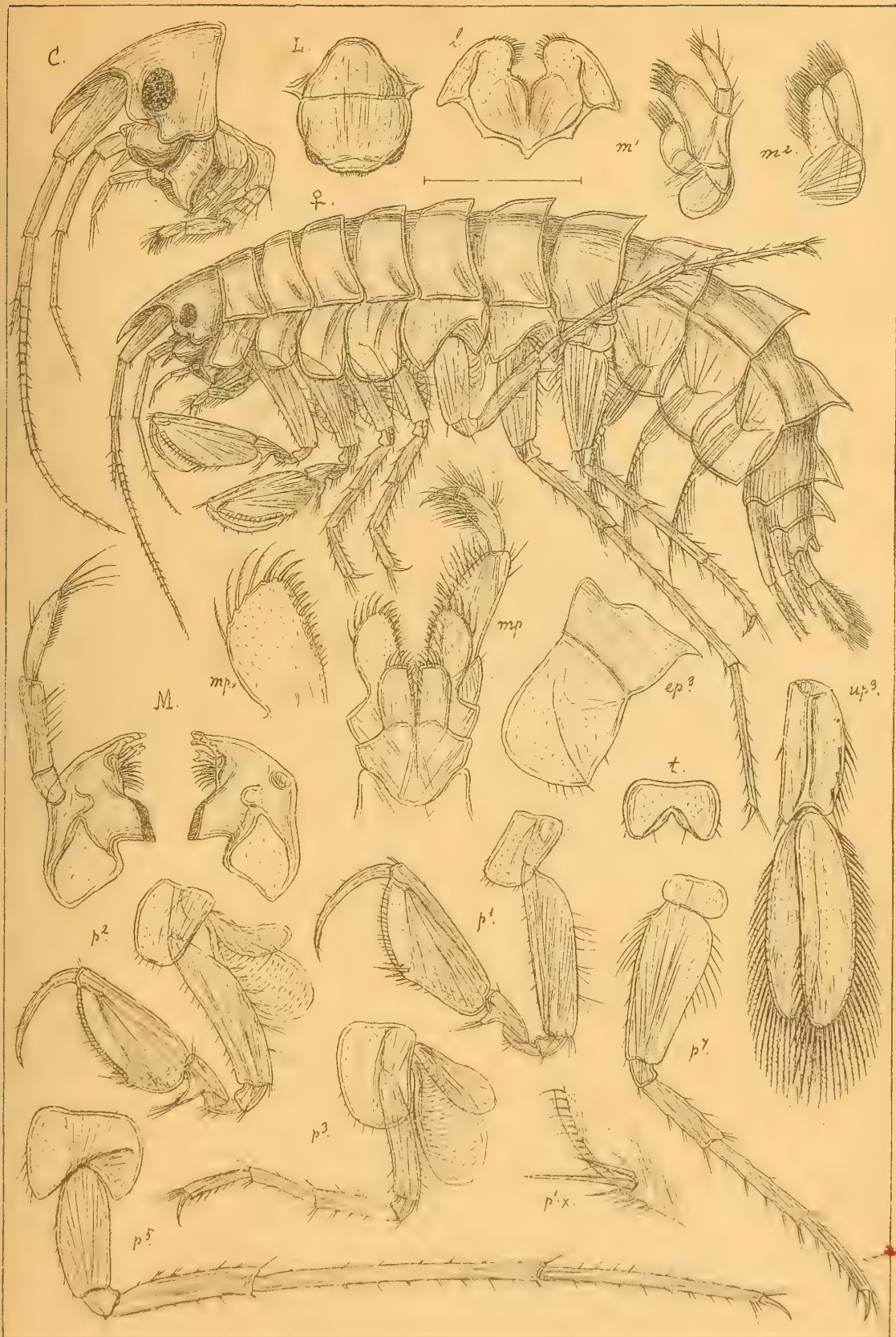
Melphidippella macera, (Norman)





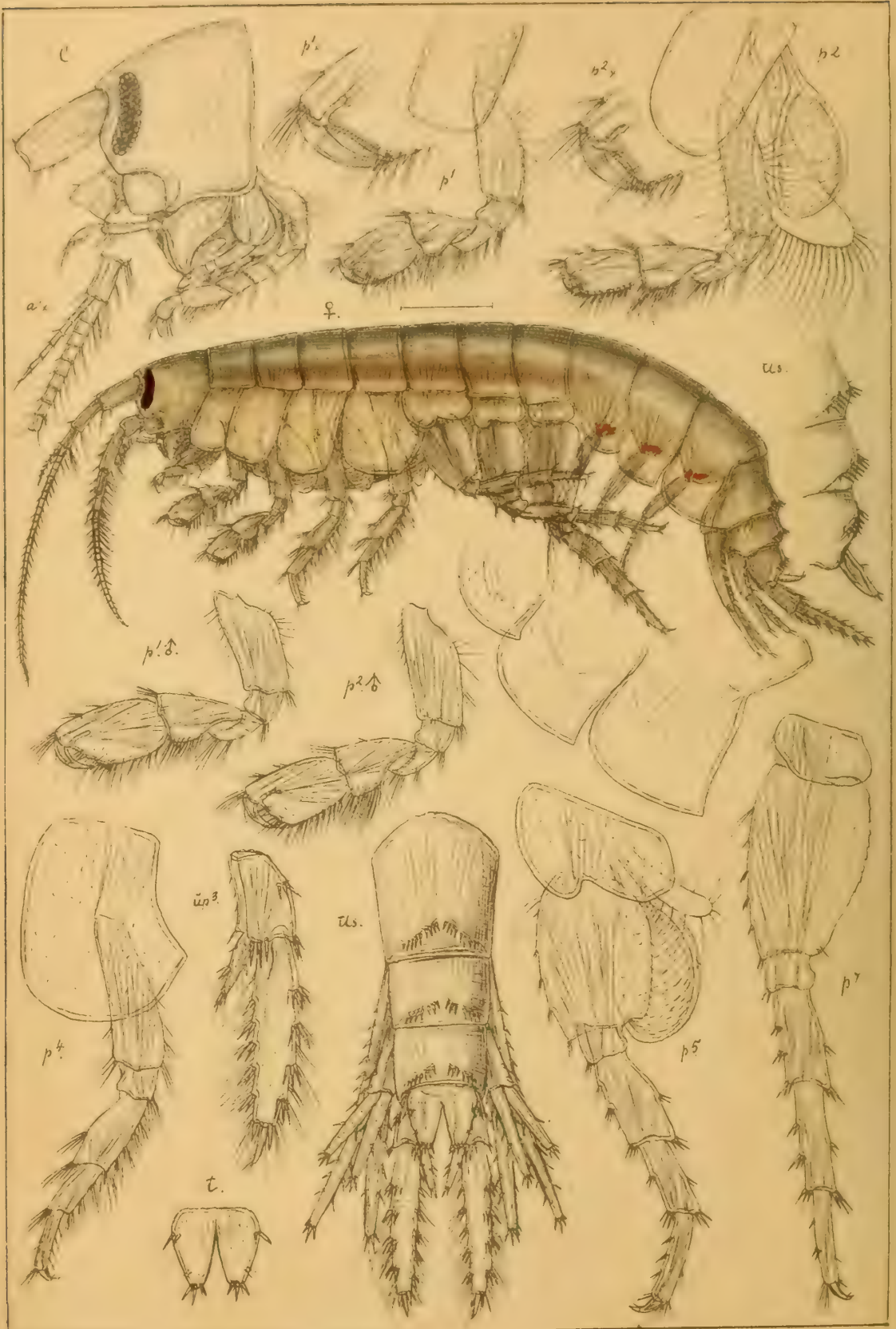
G.O. Sars autogr.

1. *Amathilla homari*, (Fabr.) ♂.2. *Amathilla angulosa*, (Rathke.)



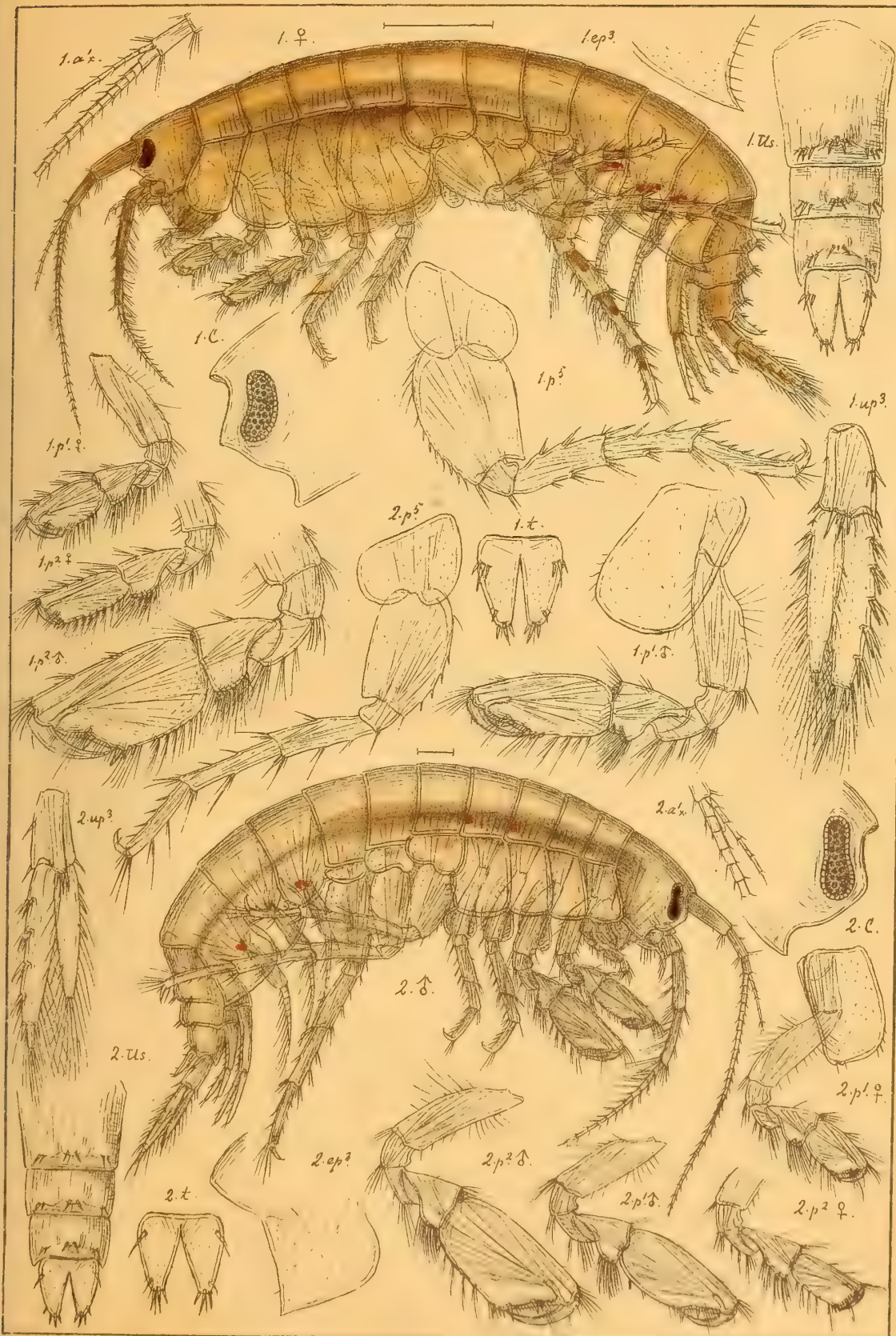
G.O. Sars autogr.

Gammaracanthus relictus, G. O. Sars.



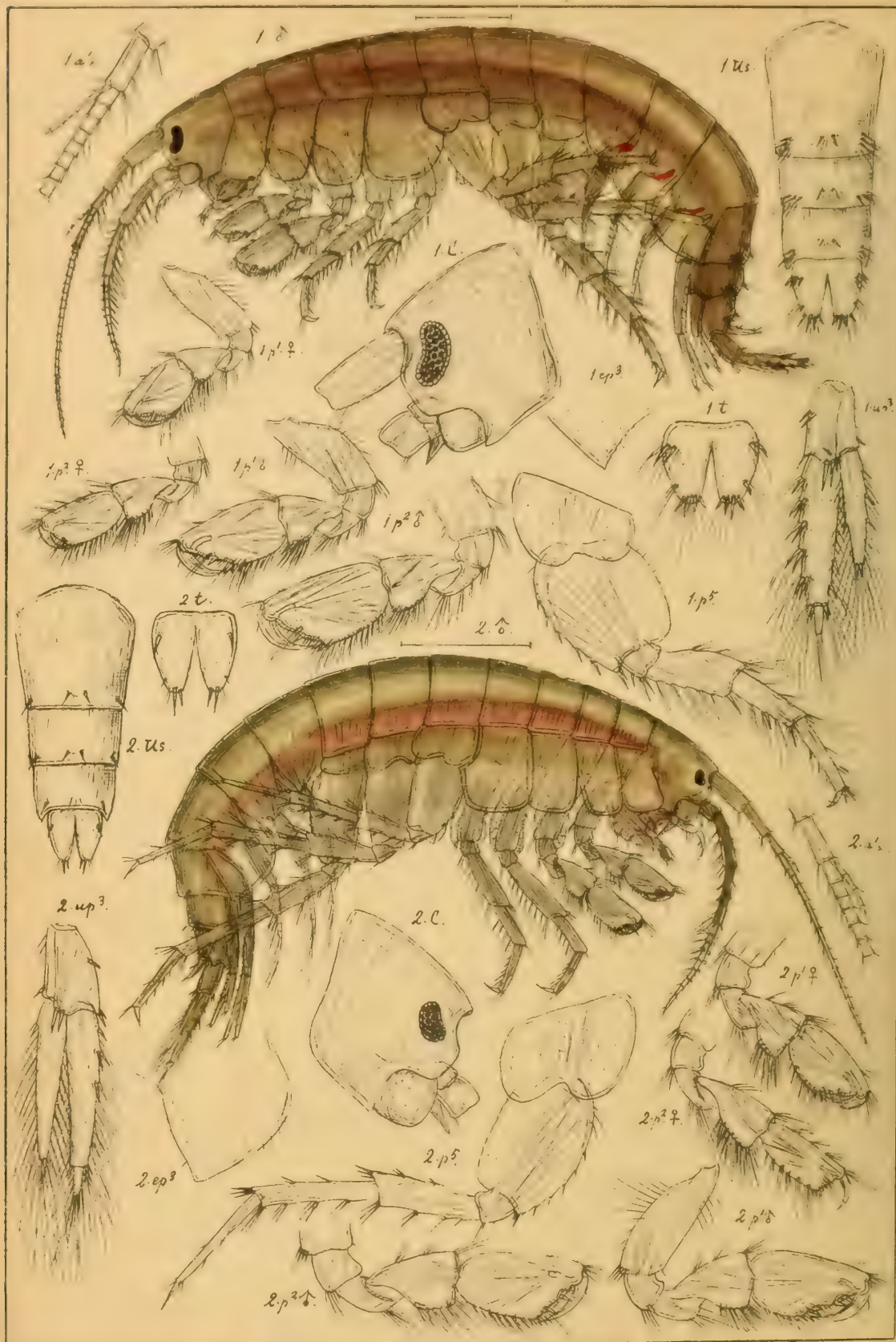
G.O.Sars autogr.

Gammarus marinus, Leach.



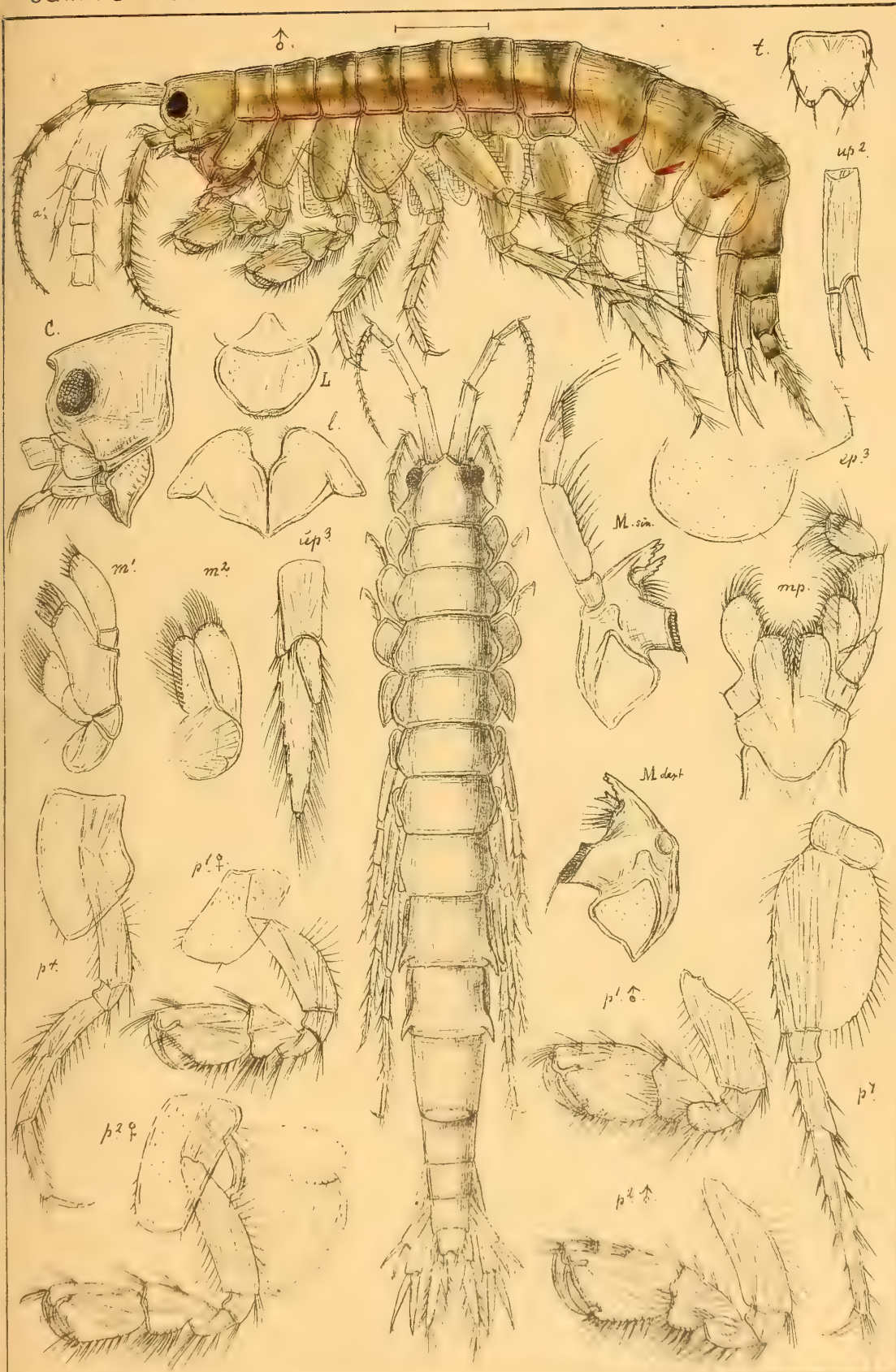
G.O. Sars autogr.

1. *Gammarus locusta*, (Lin.)2. *Gammarus campylops*, Leach.



G.O.Sars autogr.

1. *Gammarus Duebeni*, Lilljeb.2. *Gammarus pulex*, (Lin.)





G.O. Sars autogr.

Melita palmata, (Mont.)



G.O. Sars autogr.

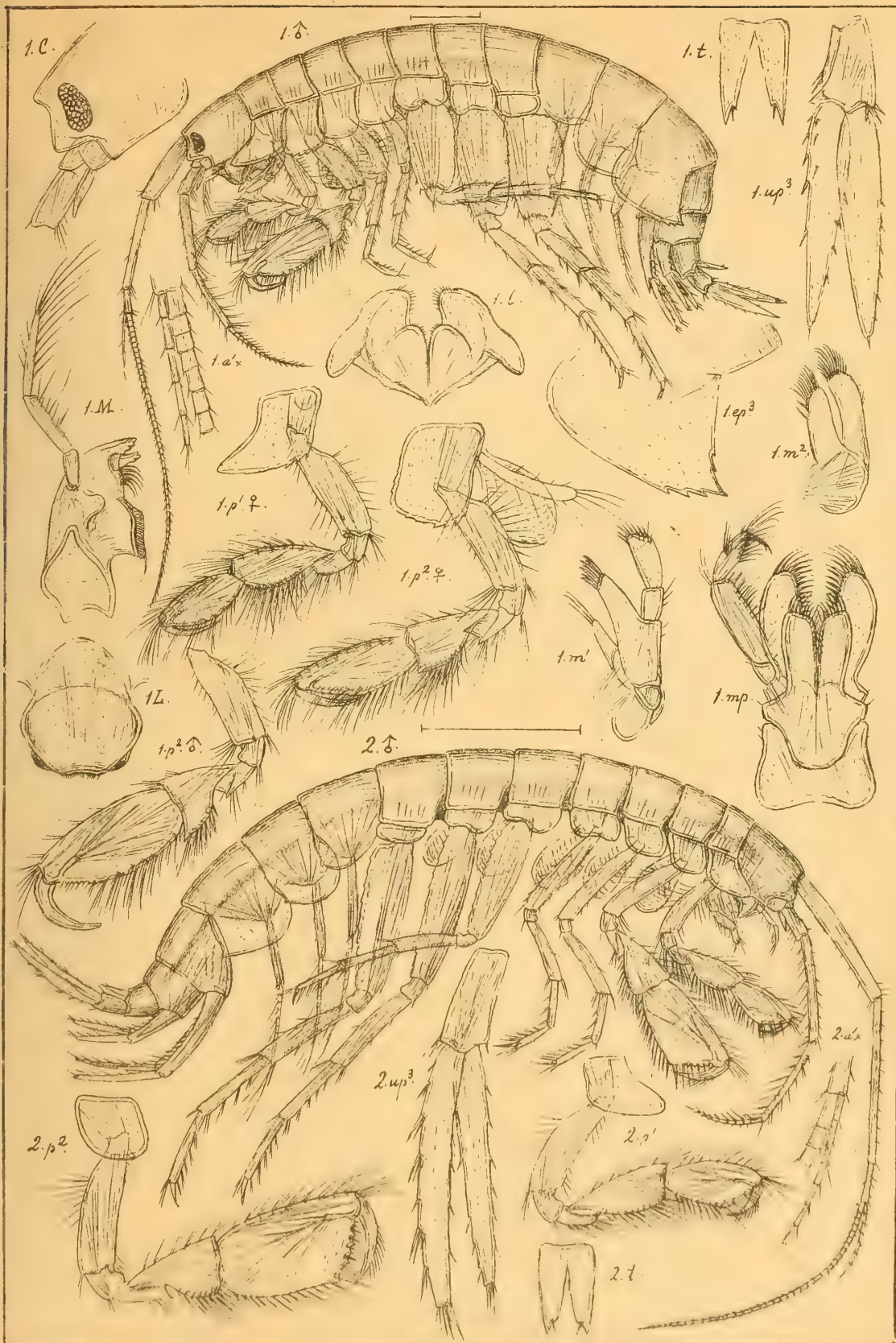
1. *Melita obtusata*, (Mont.)
 2. *Melita pellucida*, G.O. Sars.



GO Sars autogr

1. *Melita dentata*, (Kröyer).

2. *Eriopisa elongata*, (Bruzel.)



G.O.Sars autogr.

1. *Maera Othonis*, (M-Edw.)2. *Maera Lovéni*, (Bruzel.)



G.O. Sars autogr.

Cheirocratus Sundewalli, (Rathke.)



G.O. Sars autogr. 1. *Cheirocratus Sundewalli*, (Rathke) ♂.
 2. *Cheirocratus robustus*, n. sp.



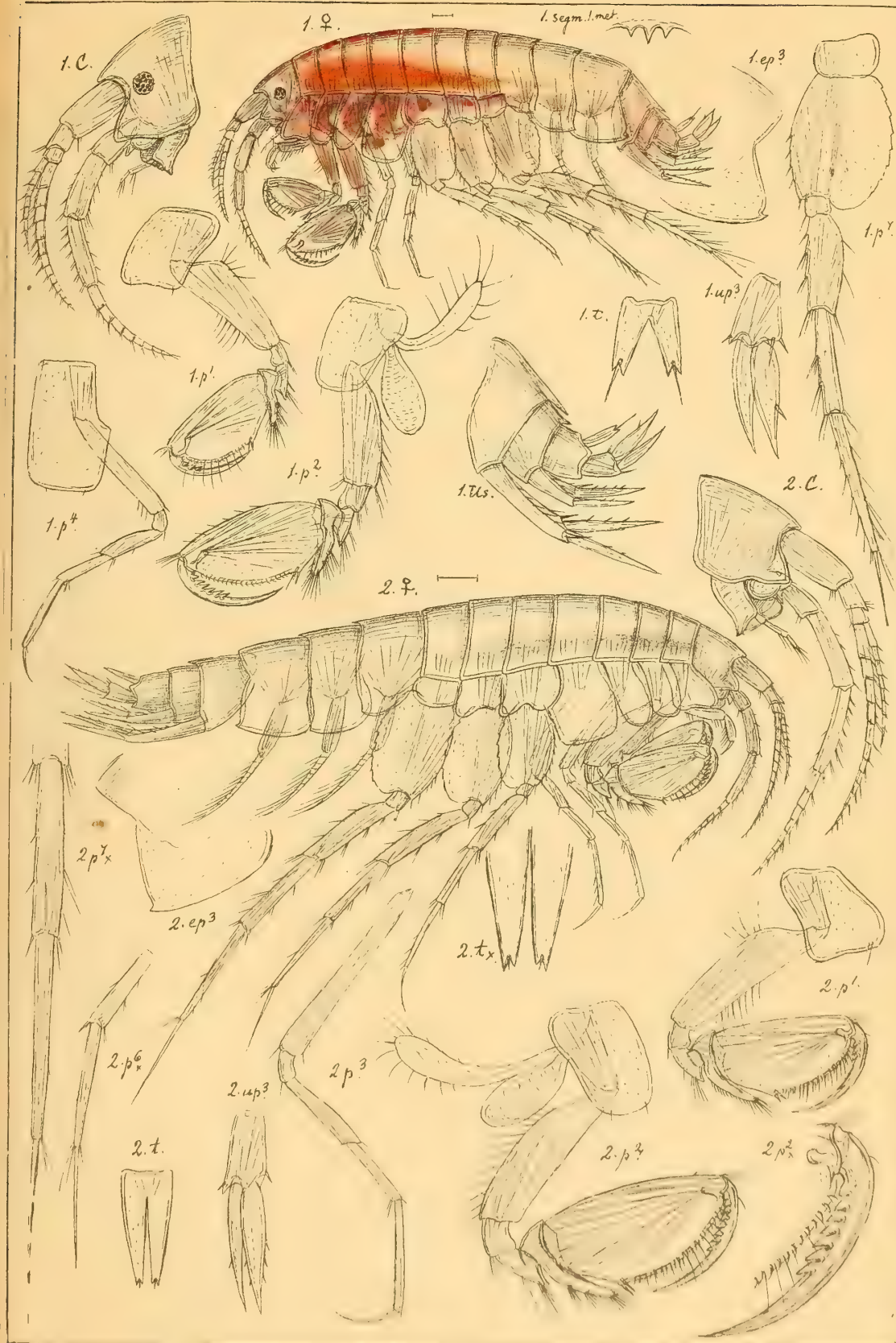
G.O. Sars autogr.

1. *Cheirocratus intermedius*, n. sp.2. *Cheirocratus assimilis*, (Lilljeb.).



G.O. Sars autogr.

LiNjeborgia pallida, Sp. Bate.



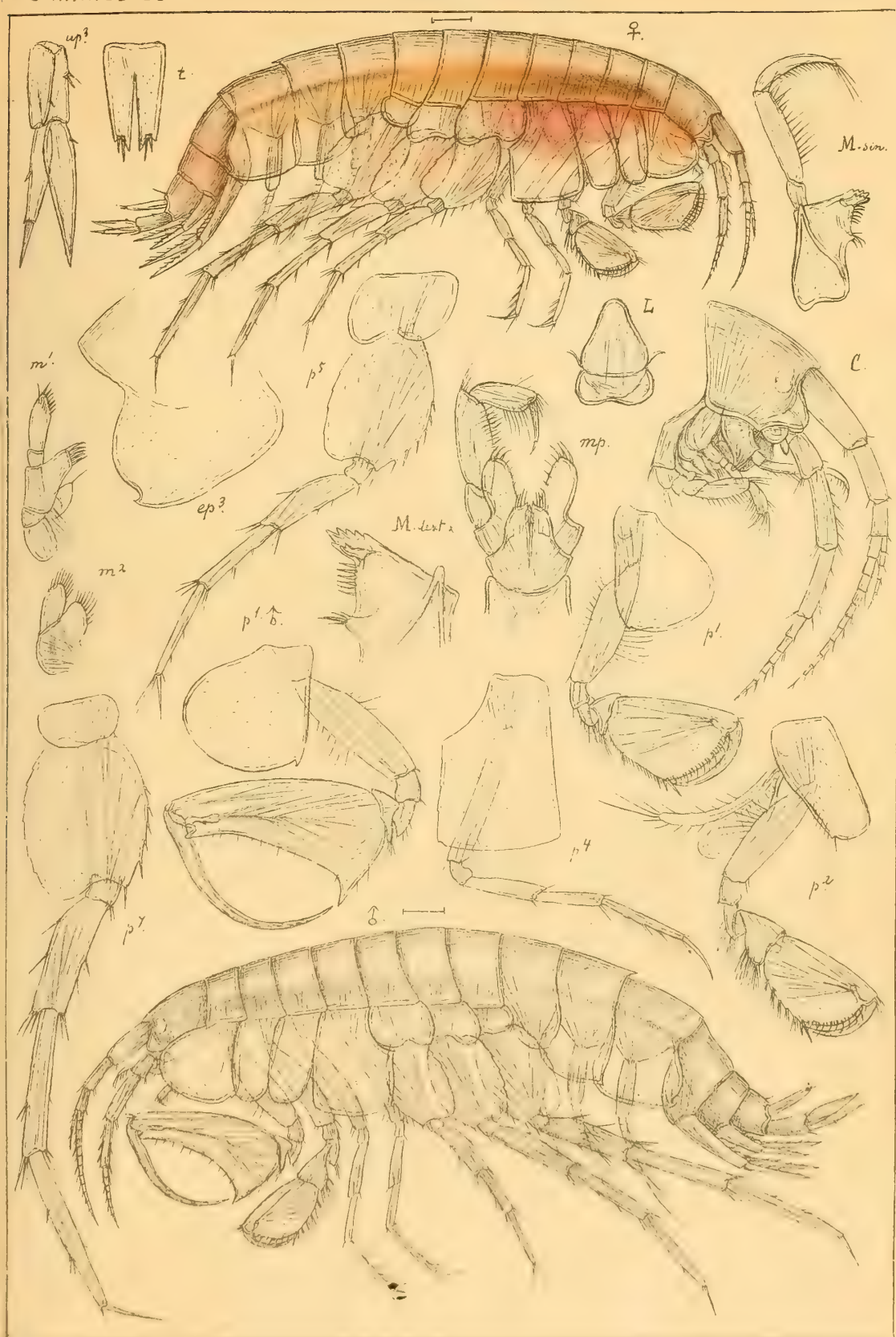
G.O Sars autogr.

1. *Lilljeborgia kinahani*, (Sp. Bate).2. *Lilljeborgia macronyx*, n.sp.



J.O. Sars autogr.

LiNjeborgia fissicornis, (M. Sars).

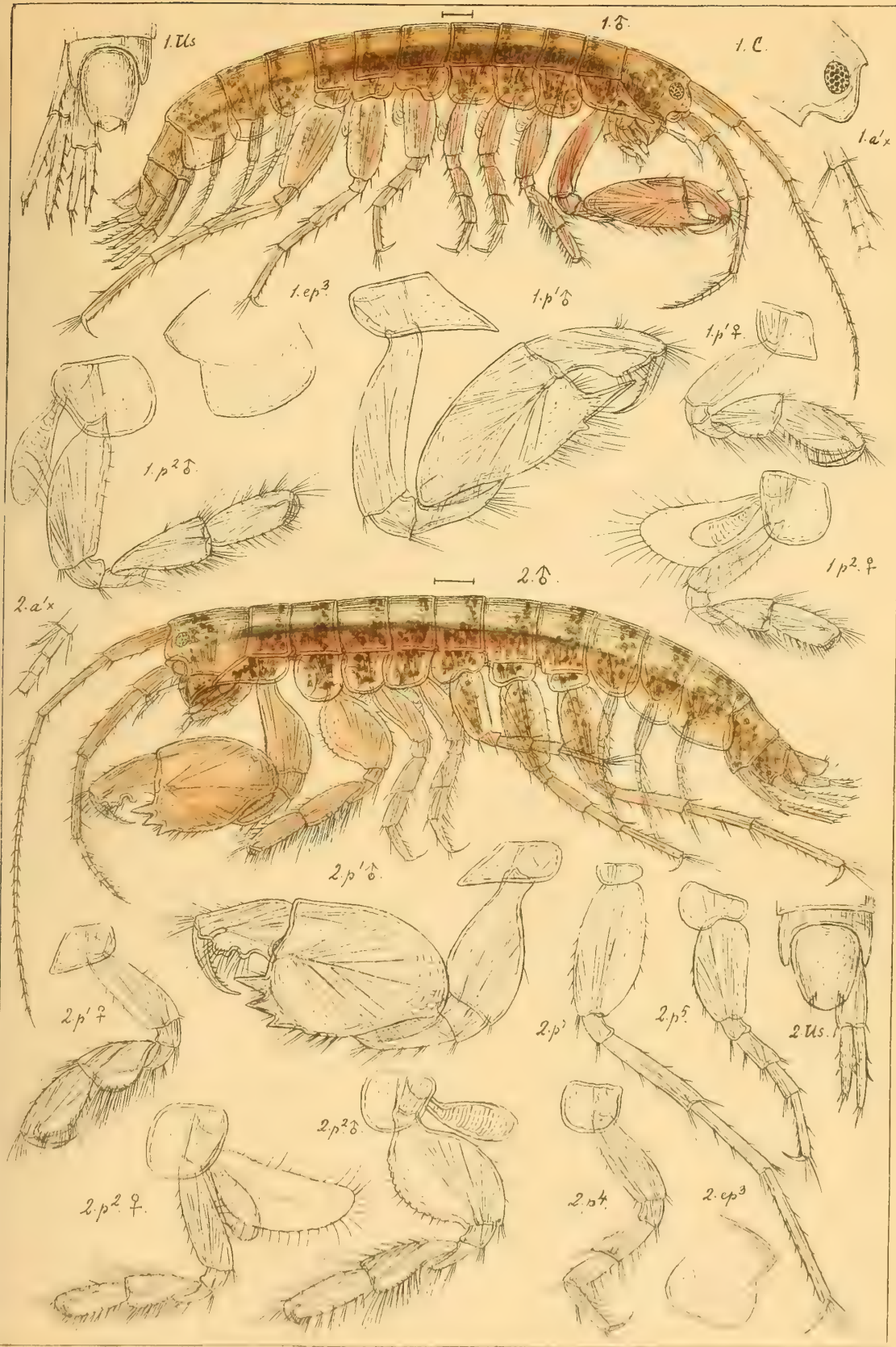


G.O.Sars autogr. *Idunella æquivicornis*, G.O.Sars.



G.O. Sars autogr

Microdeutopus anomalus, (Rathke).



G.O.Sars autogr.

1. *Microdeutopus propinquus*, n. sp.

2. *Microdeutopus gryllotalpa*, Costa.



G.O Sars autogr.

Aora gracilis, Sp. Bate.





G.O. Sars autogr.

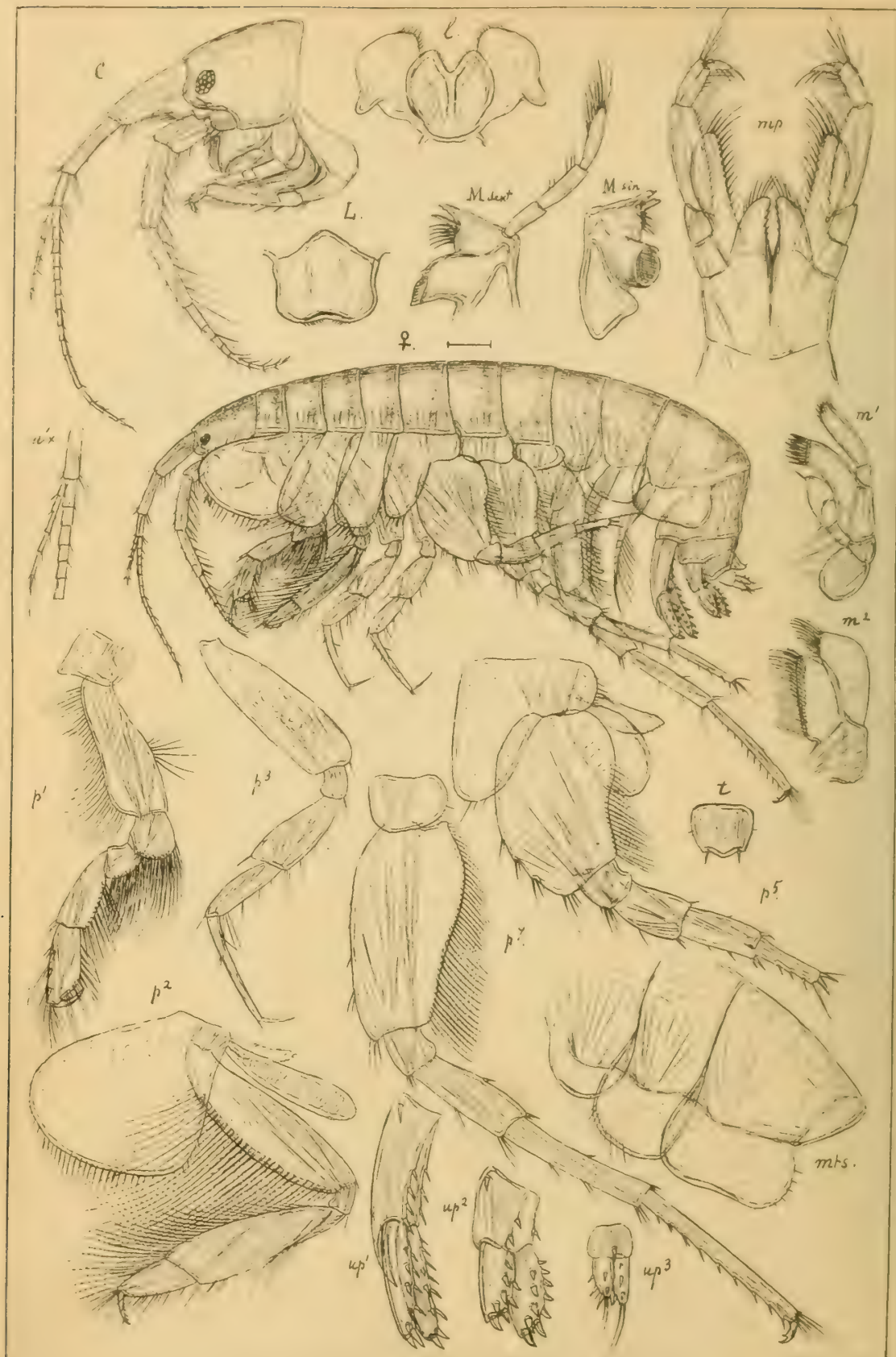
1. *Autonoë longipes*, (Lilljeborg).

2. *Autonoë megacheir*, (G. O. Sars.)



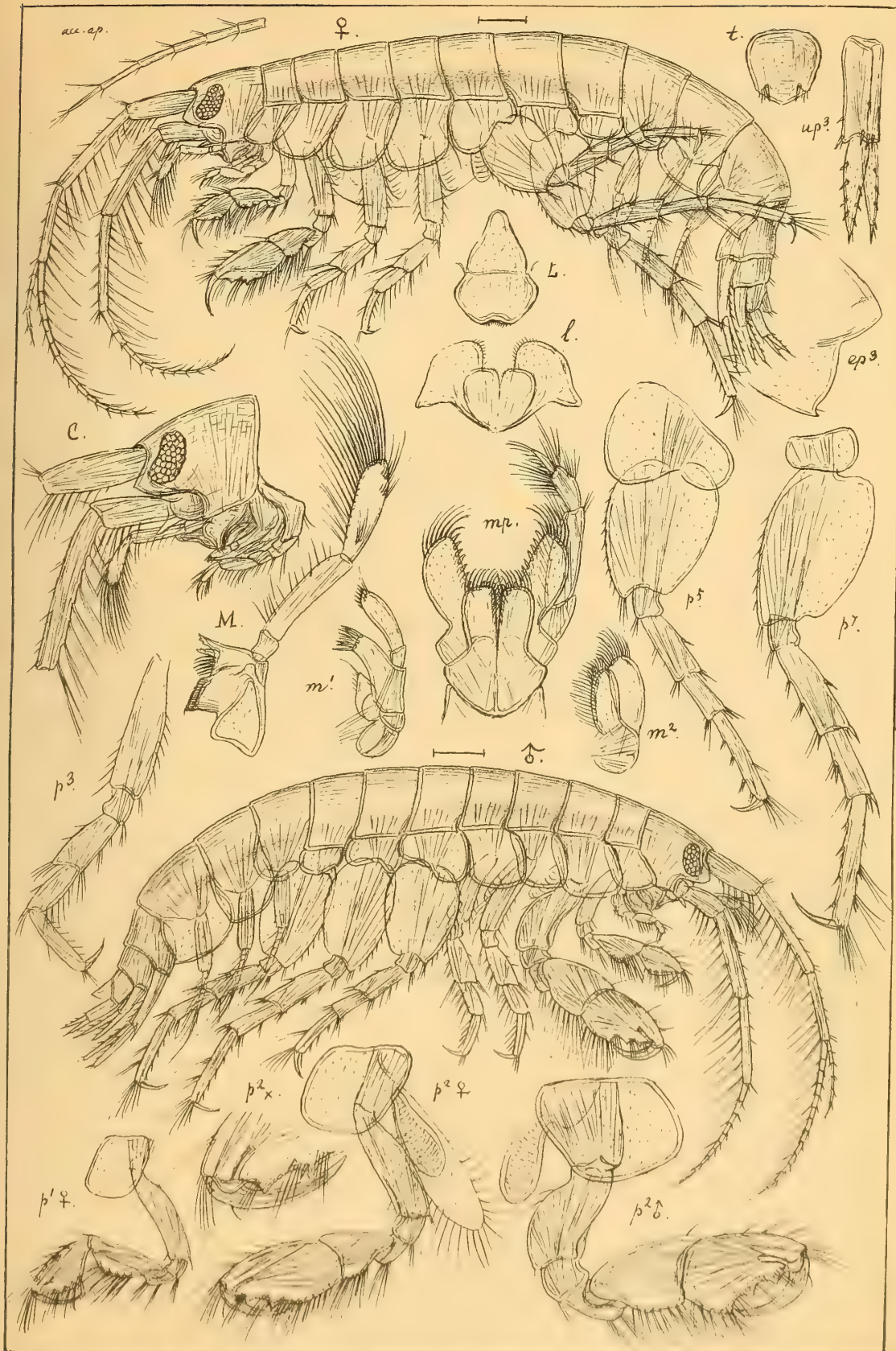
G.O. Sars autogr.

Protomedeia fasciata, Kröyer.



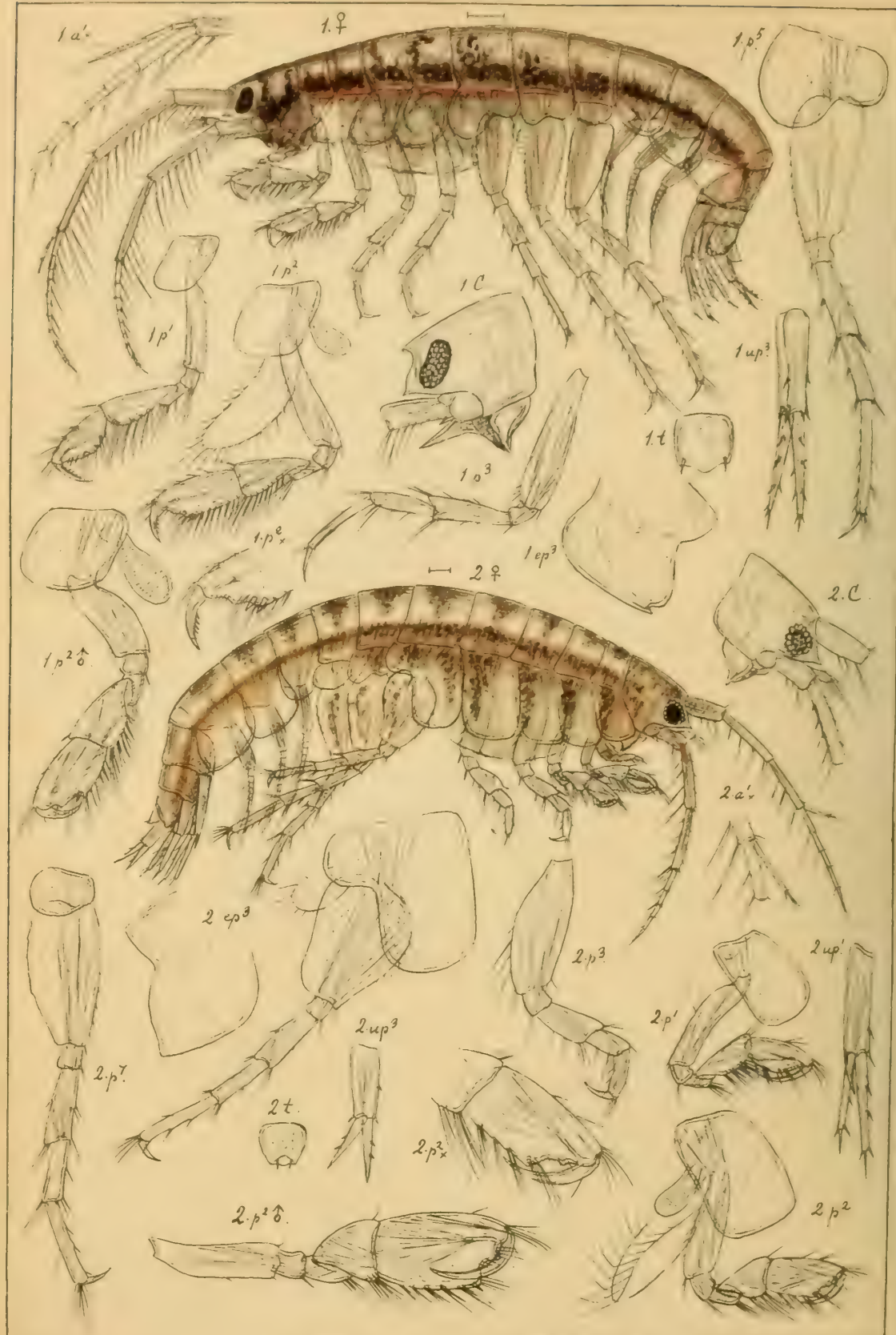
G.O. Sars autogr.

Leptocheirus pilosus, Zaddach.



G.O.Sars autogr.

Gammaropsis erythrophthalma (Lilljeborg).



G.O. Sars autogr.

1. *Gammaropsis melanops*, G.O. Sars.2. *Gammaropsis nana*, n.sp.



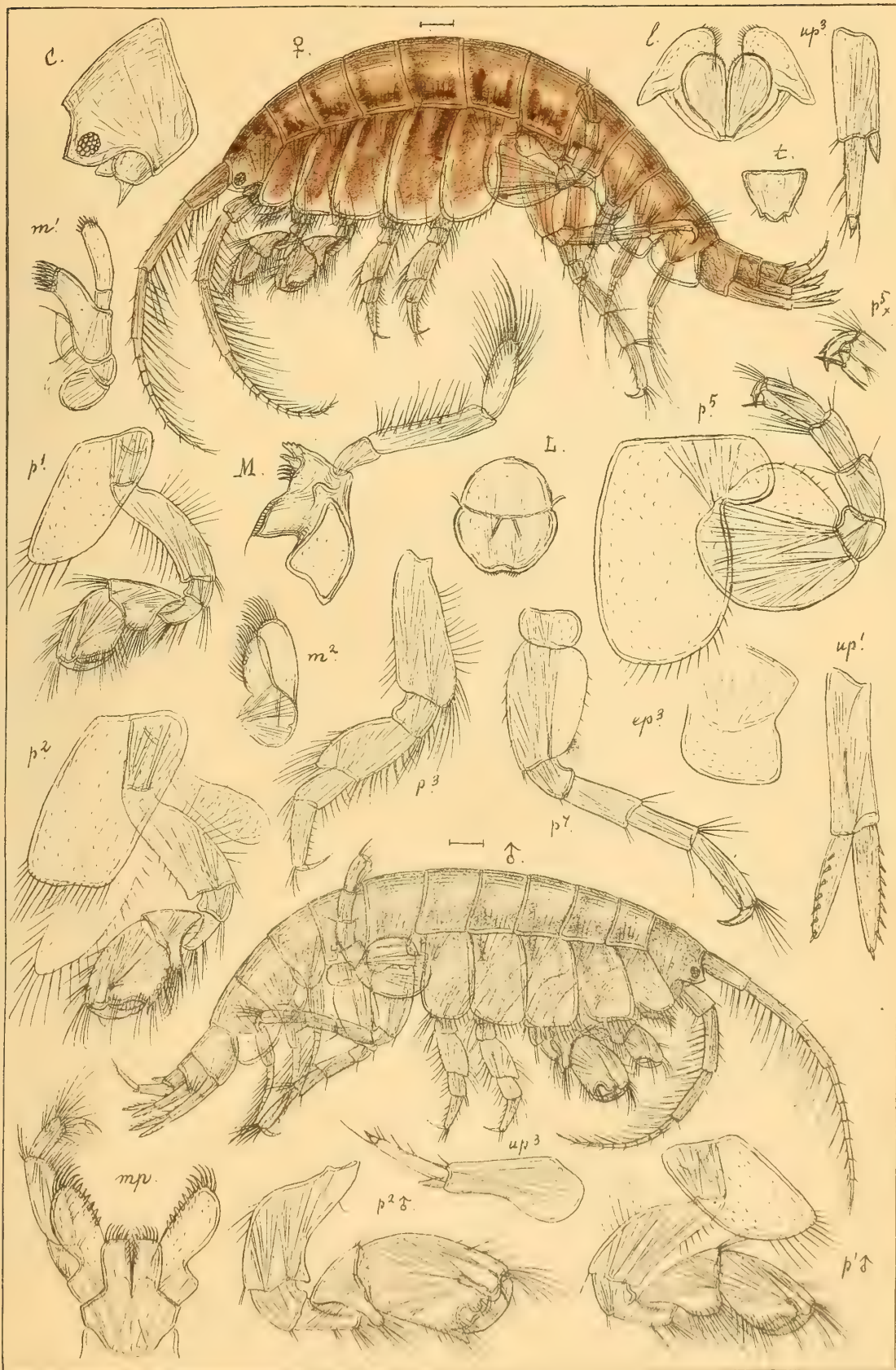
G.O. Sars autogr.

Megamphopus cornutus, Norman.



G.O.Sars autogr.

Microprotopus maculatus, Norman.



G.O. Sars autogr.

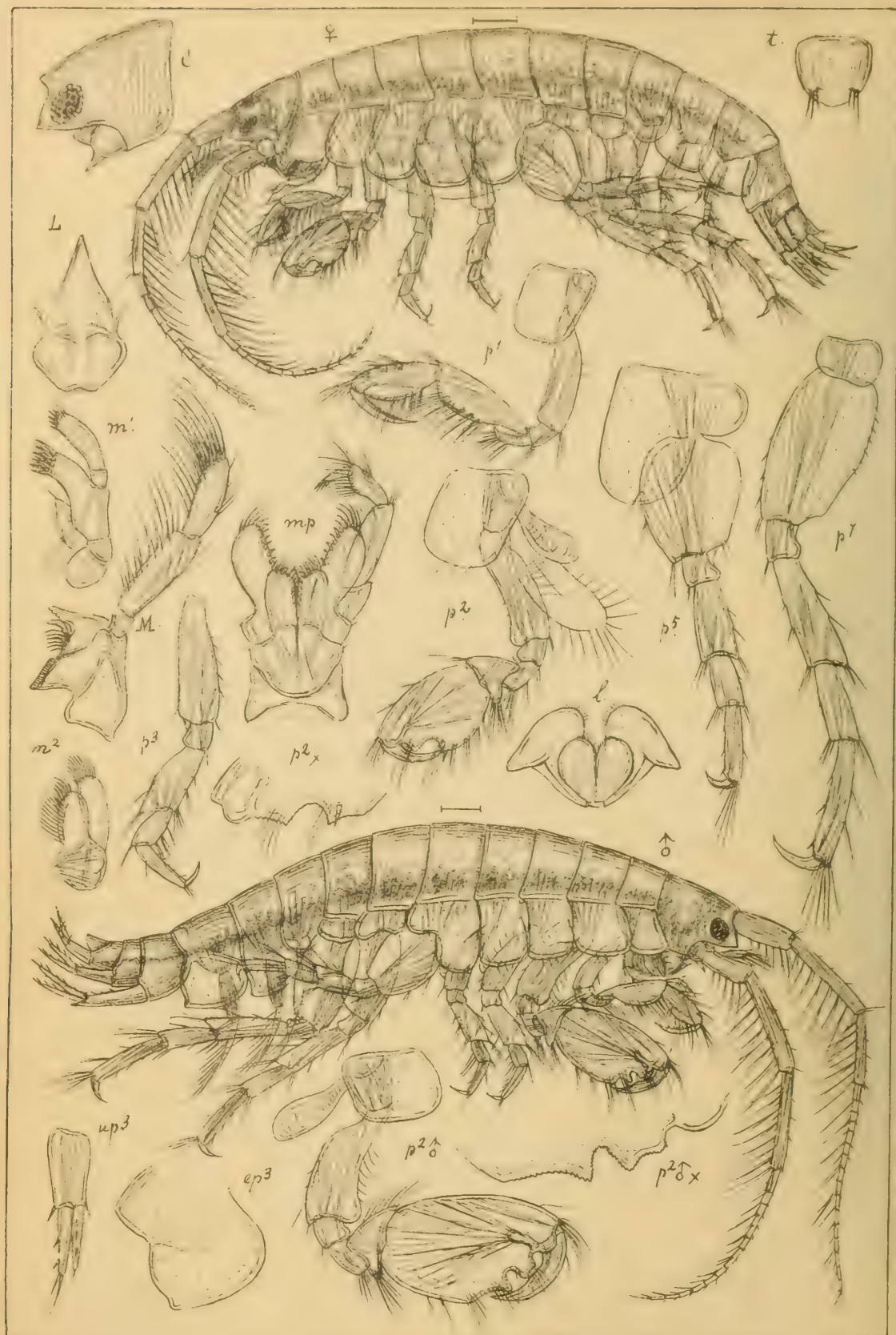
Photis Reinhardi, Kröyer.



G.O. Sars autogr.

1. *Photis longicaudata*, (Sp. Bate).2. *Photis tenuicornis*, G.O. Sars.





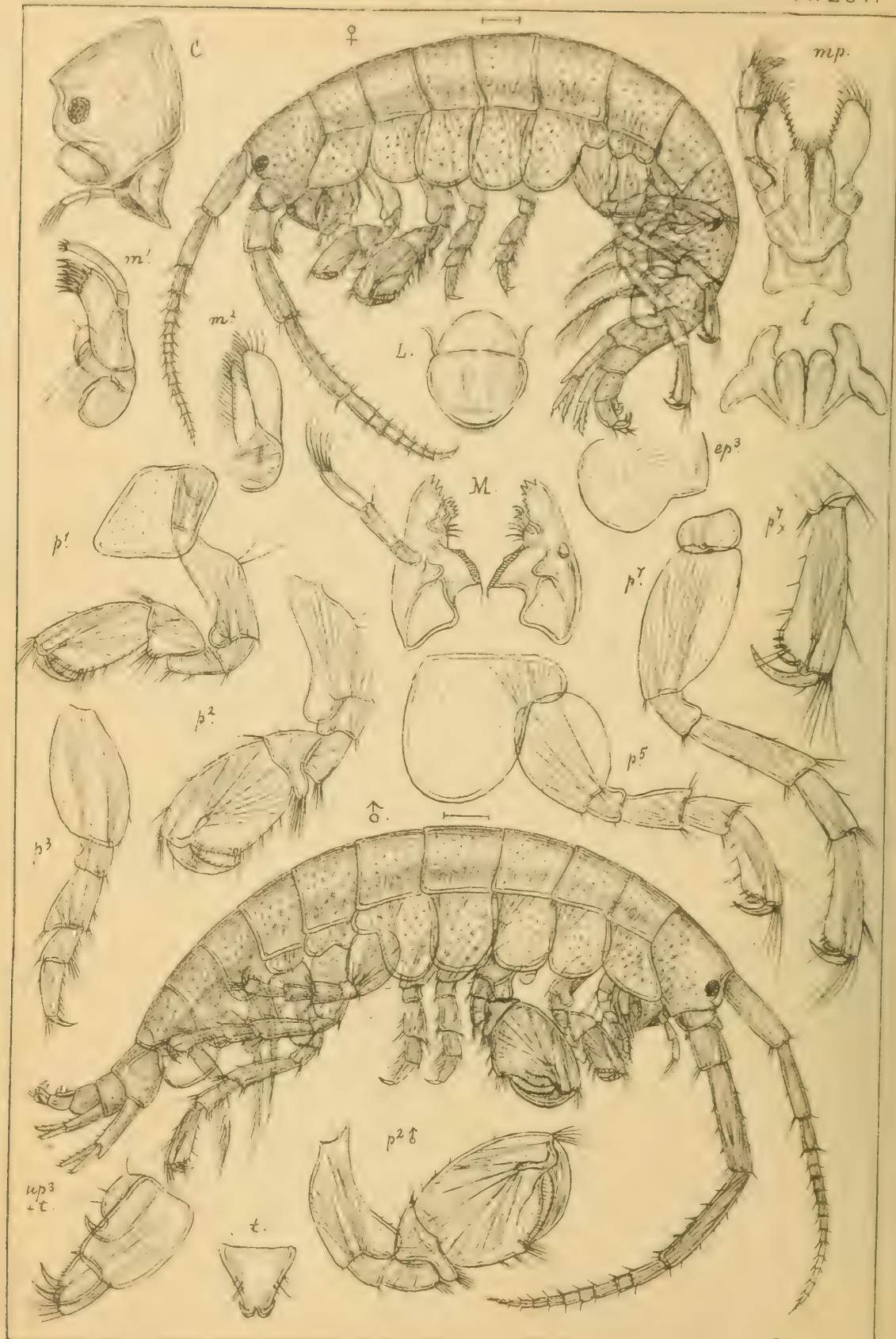
G.O. Sars autogr.

Podocerospis excavata, (Sp. Bate).



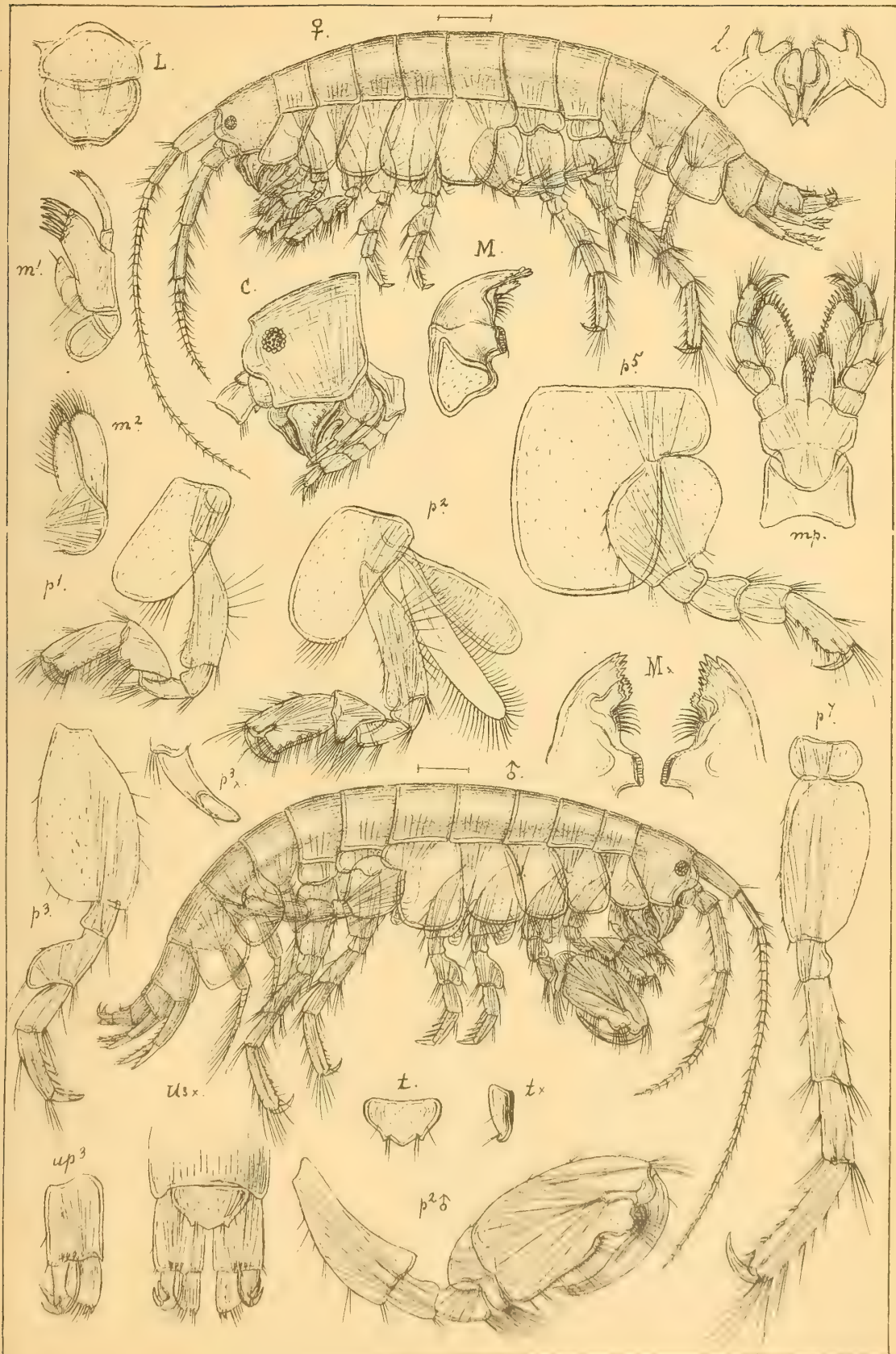
G.O. Sars autogr.

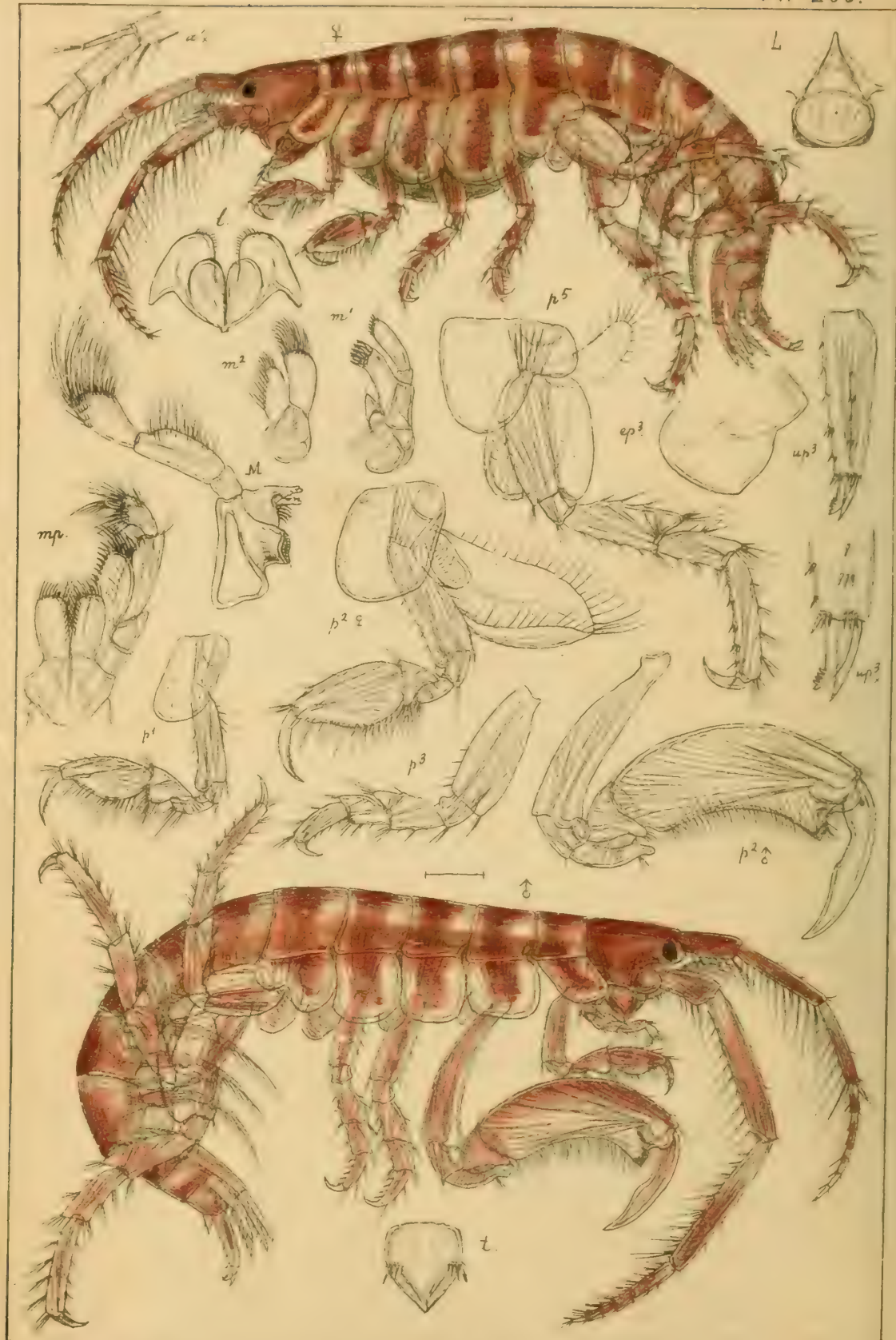
Amphithoe rubricata, (Mont.)



G.O. Sars autogr.

Pleonexes gammaroides, Sp. Bate.





G.O. Sars autogr. *Ischyrocerus angvipes*, Kröyer.



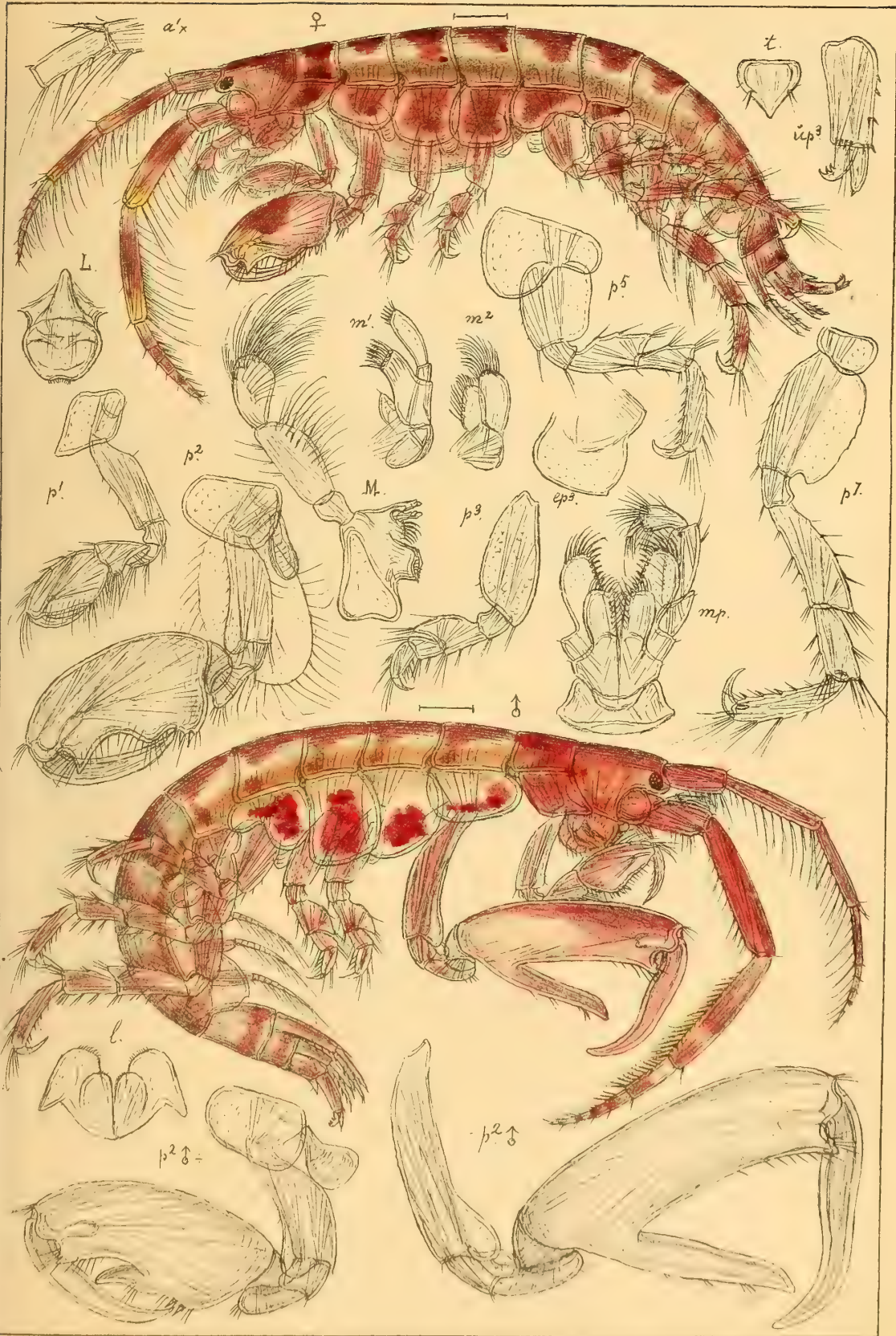
G.O.Sars autogr.

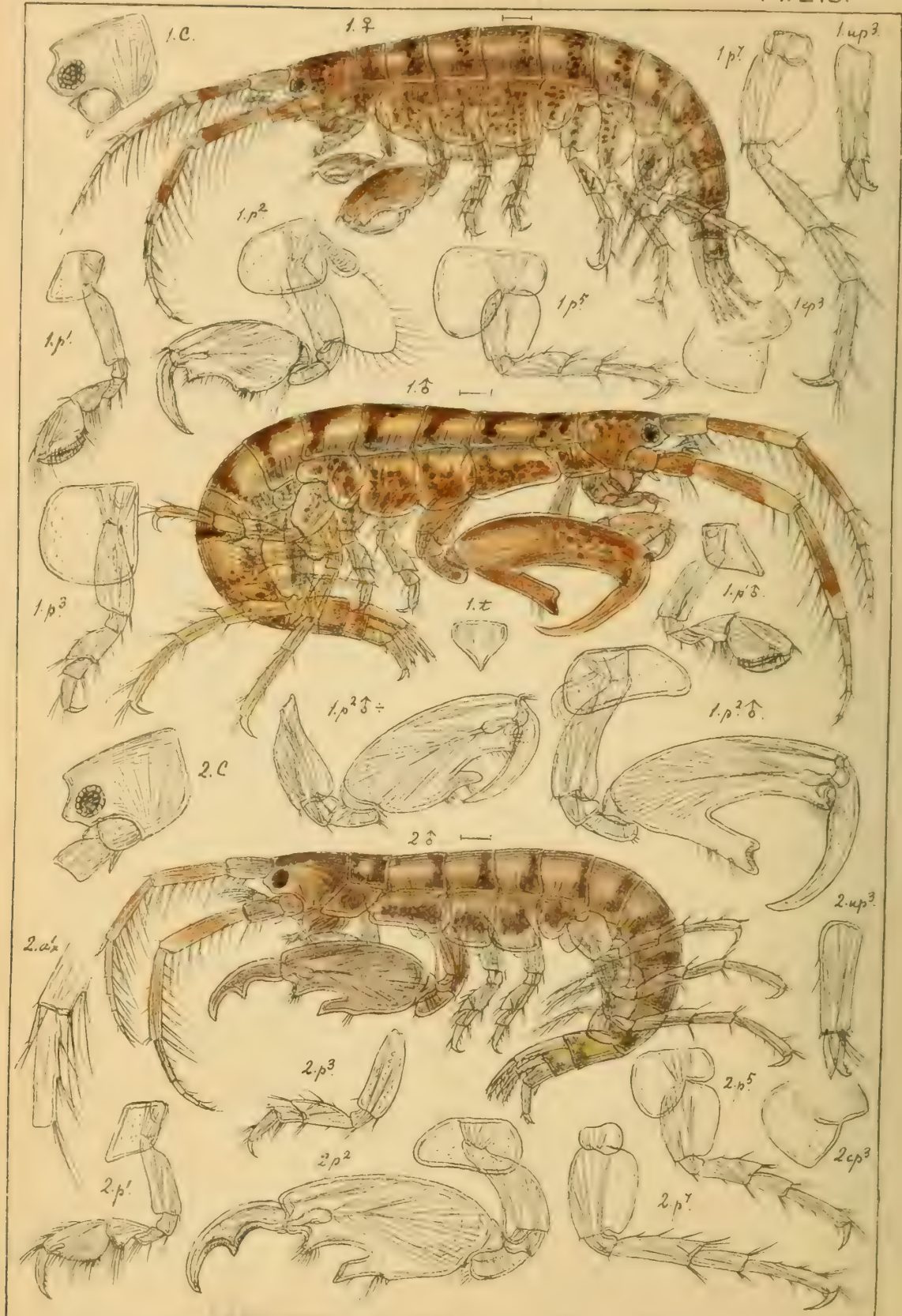
1. *Ischyrocerus minutus*, Lilljeborg.
 2. *Ischyrocerus megalops*, n.sp.



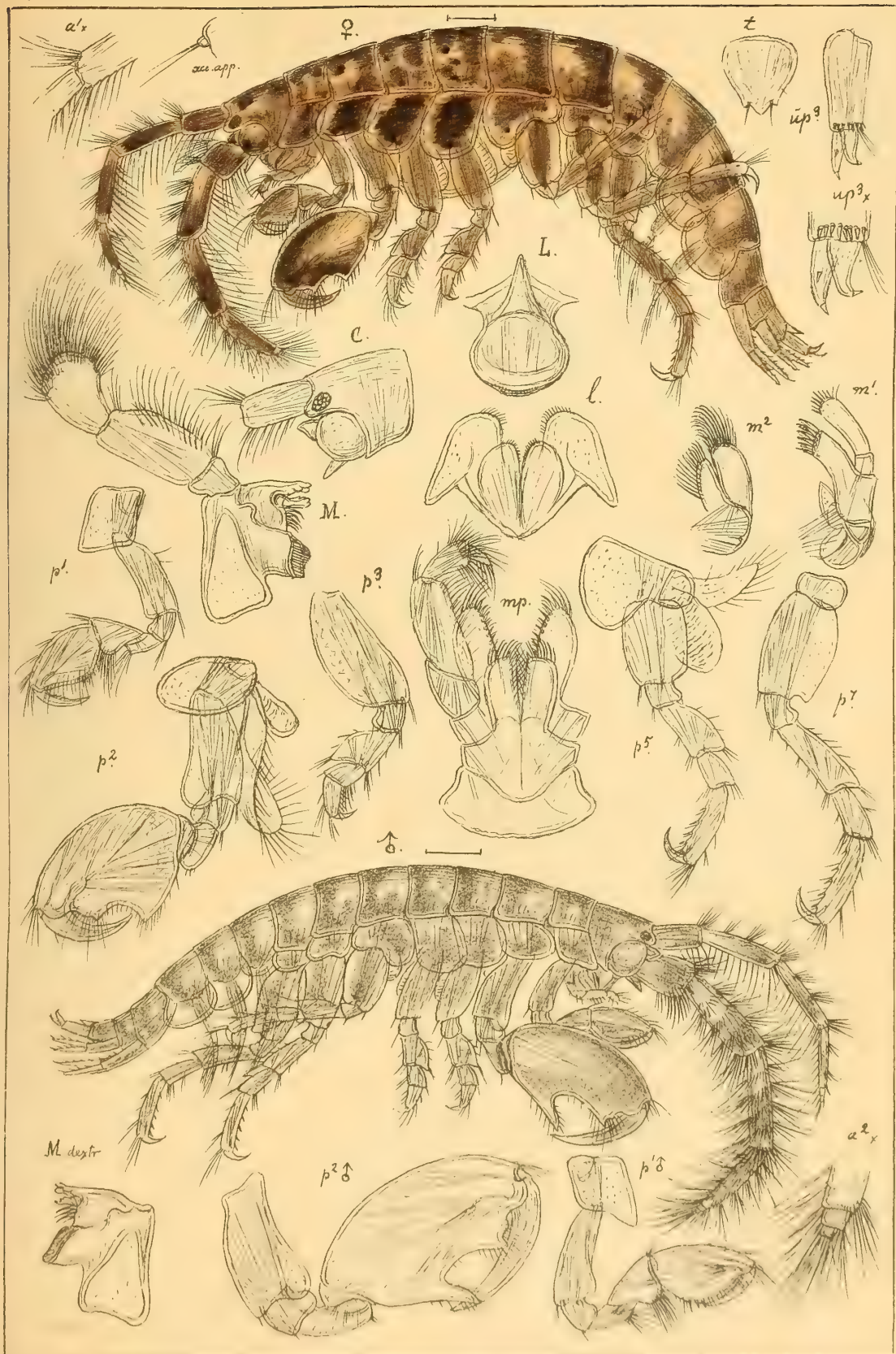
G.O.Sars autogr.

Ischyrocerus megacheir, (Boeck).



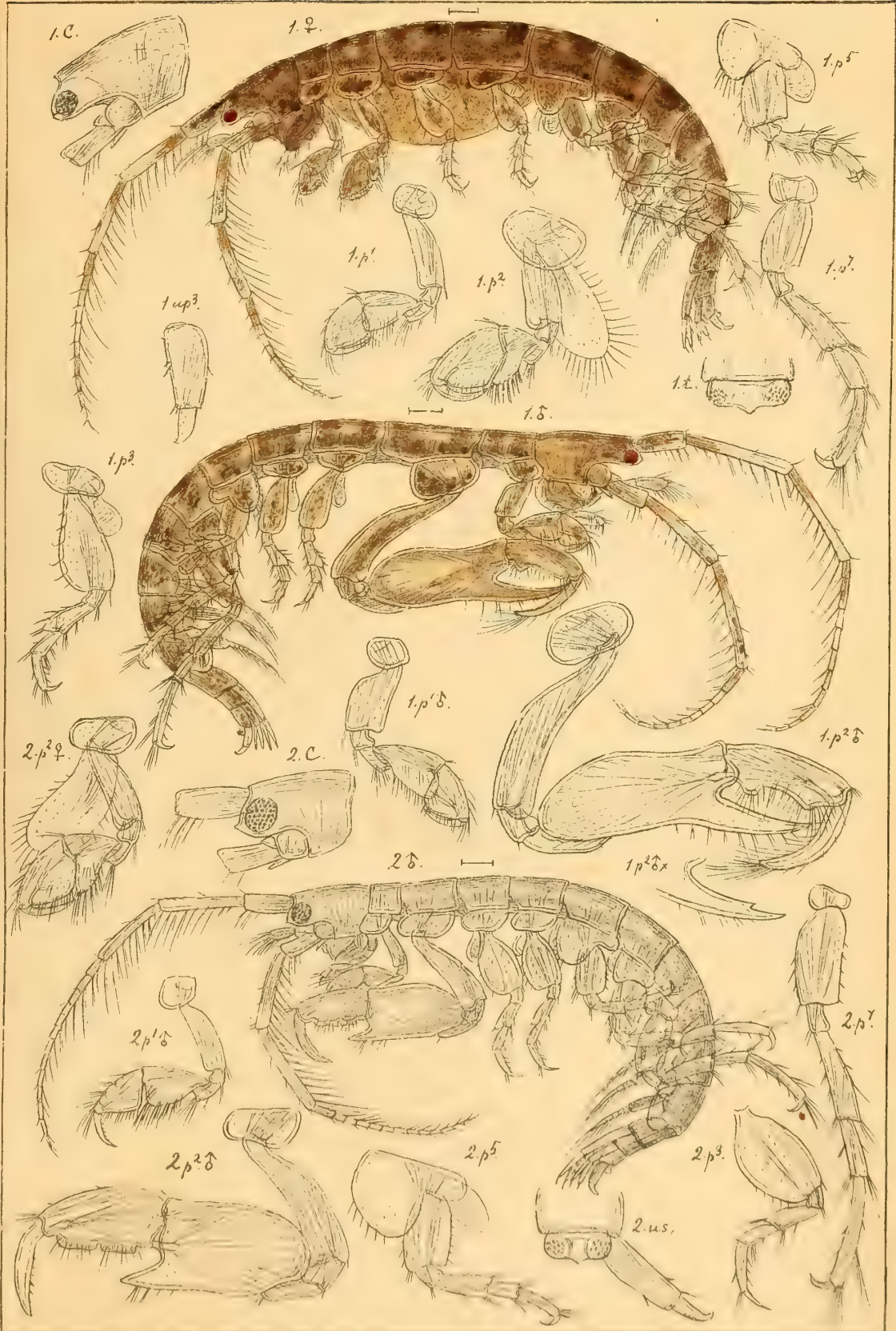


G.O.Sars autogr. 1. *Podocerus pusillus*, G.O.Sars.
2. *Podocerus odontonyx*, n. sp.

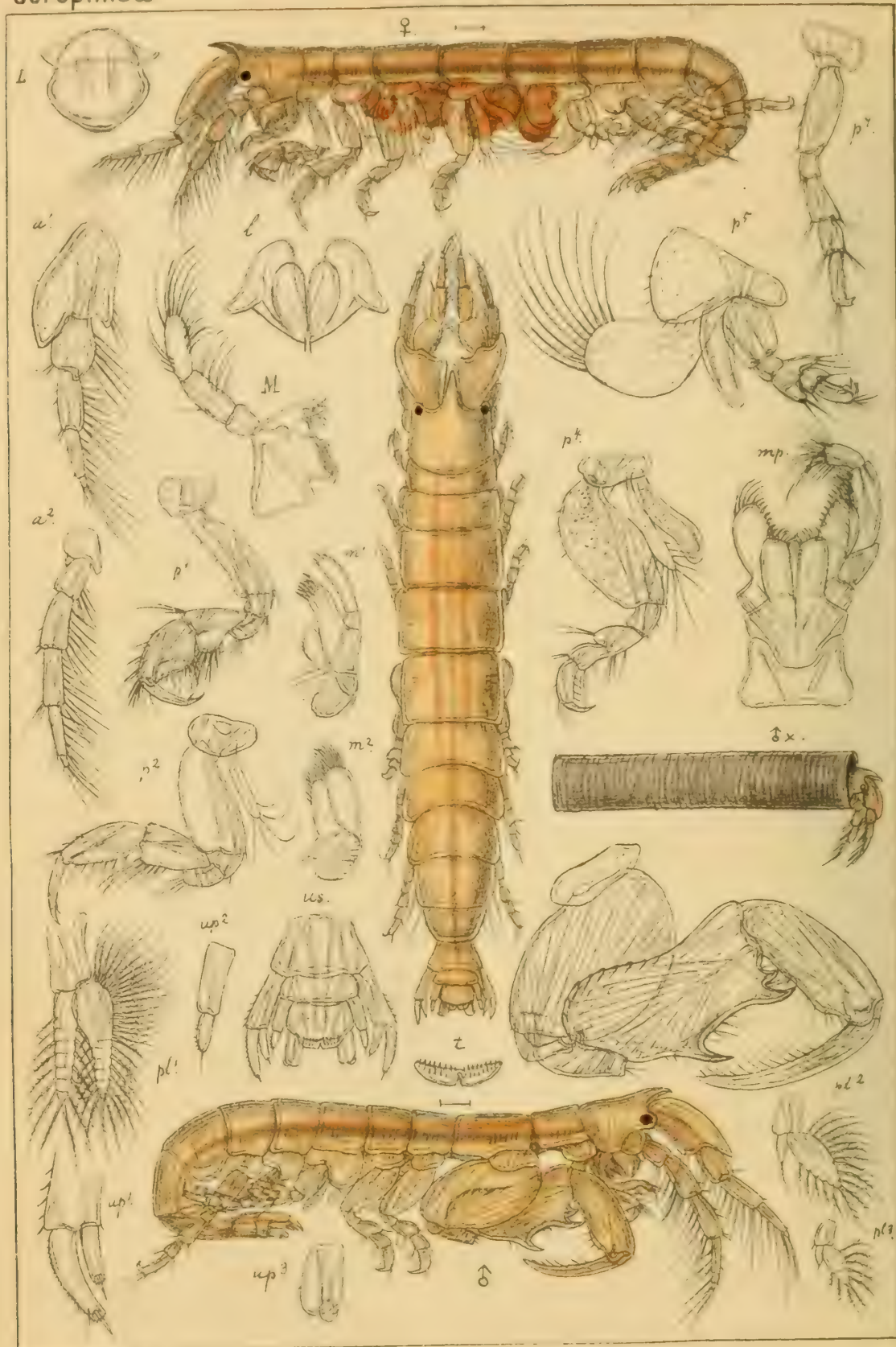




G.O.Sars autogr. *Erichthonius abditus*, (Templett.)

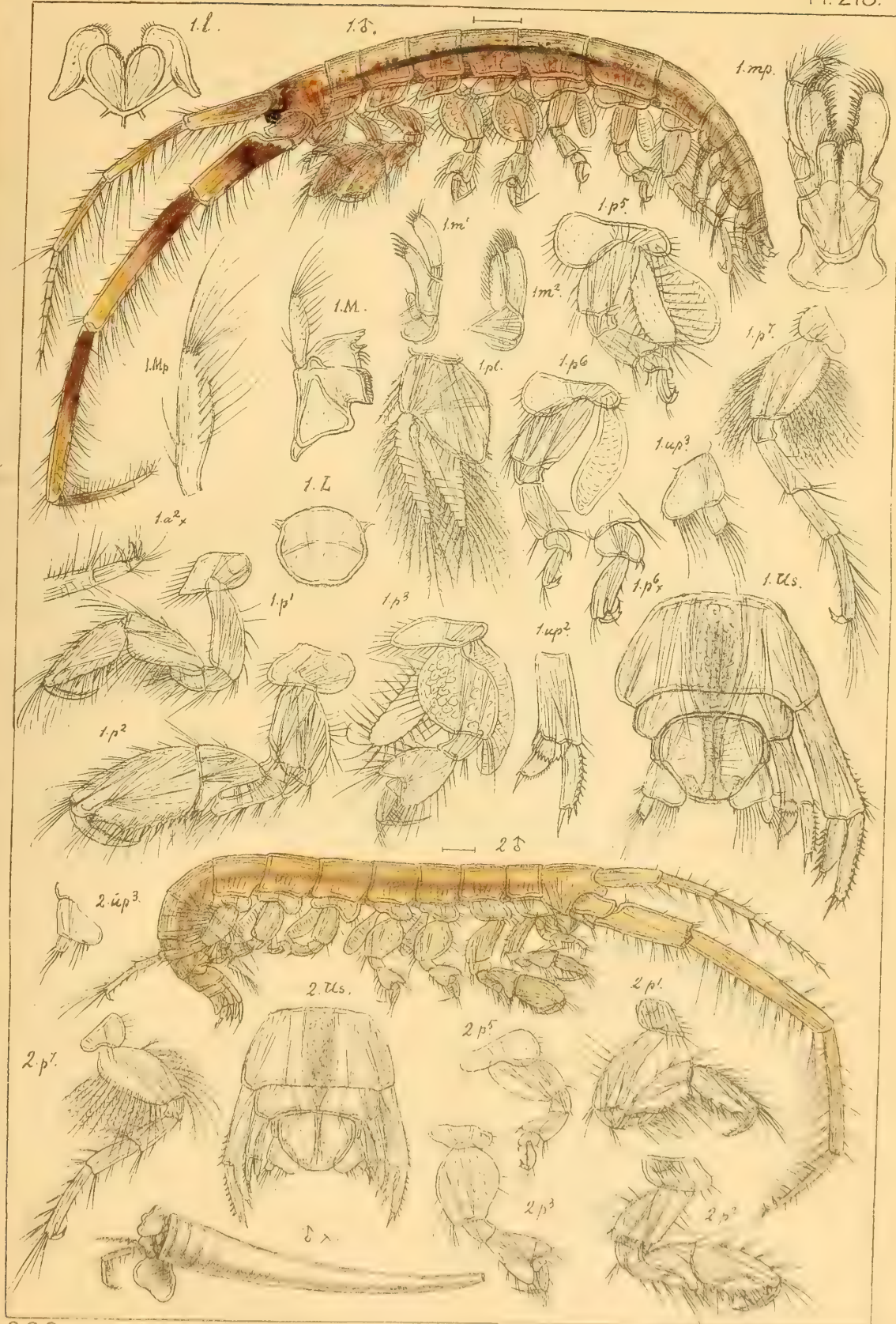


G.O. Sars autogr. 1. *Erichthonius difformis*, M-Edw.
2. *Erichthonius Hunteri* (Sp. Bate.)



G.O Sars autogr.

Cerapus crassicornis, (Sp. Bate.)



G.O. Sars autogr.

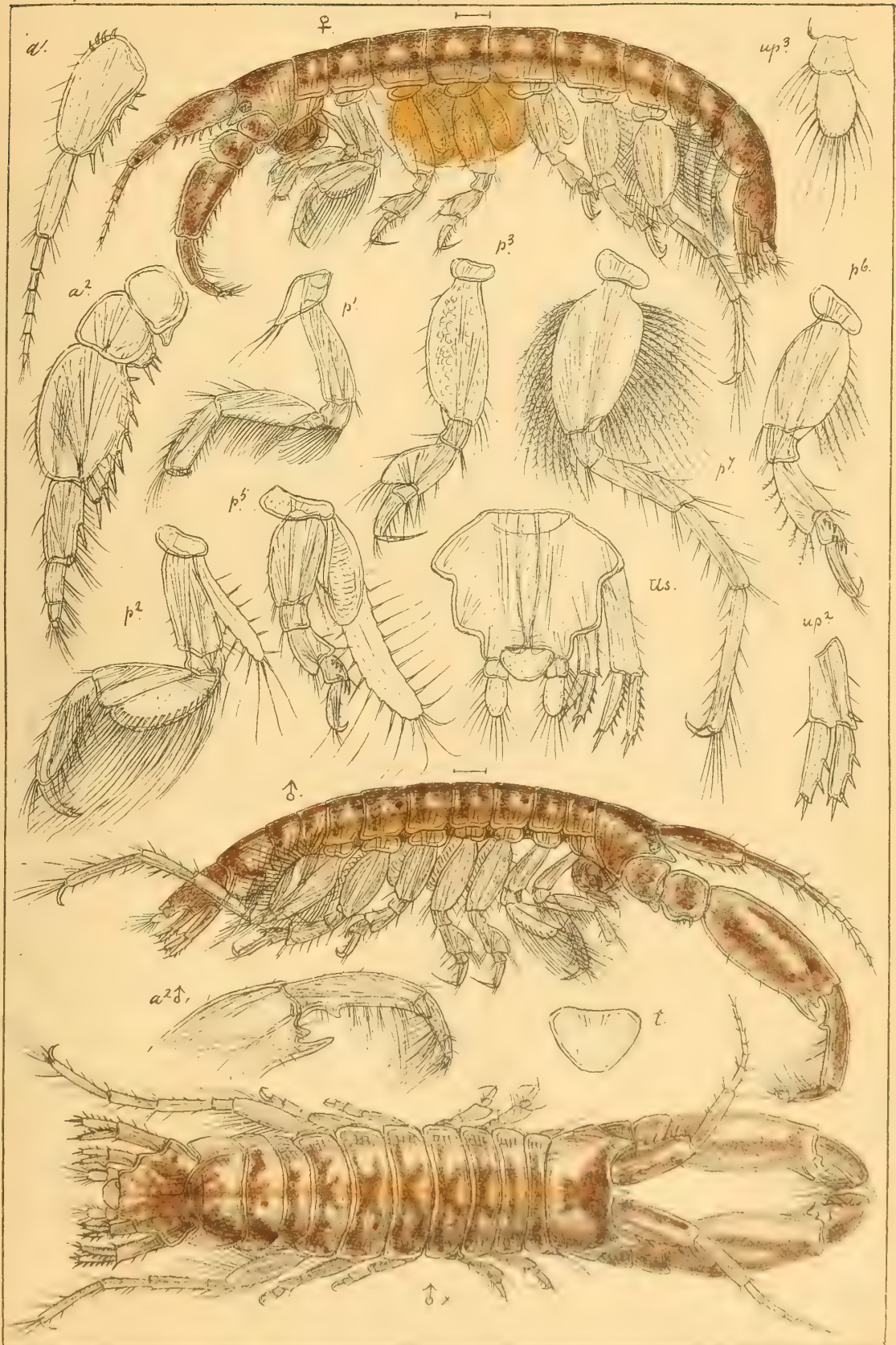
1. Siphonoecetes Colletti, Boeck.

2. *Siphonocetes pallidus*, G.O.Sars.



60 Sans autogr

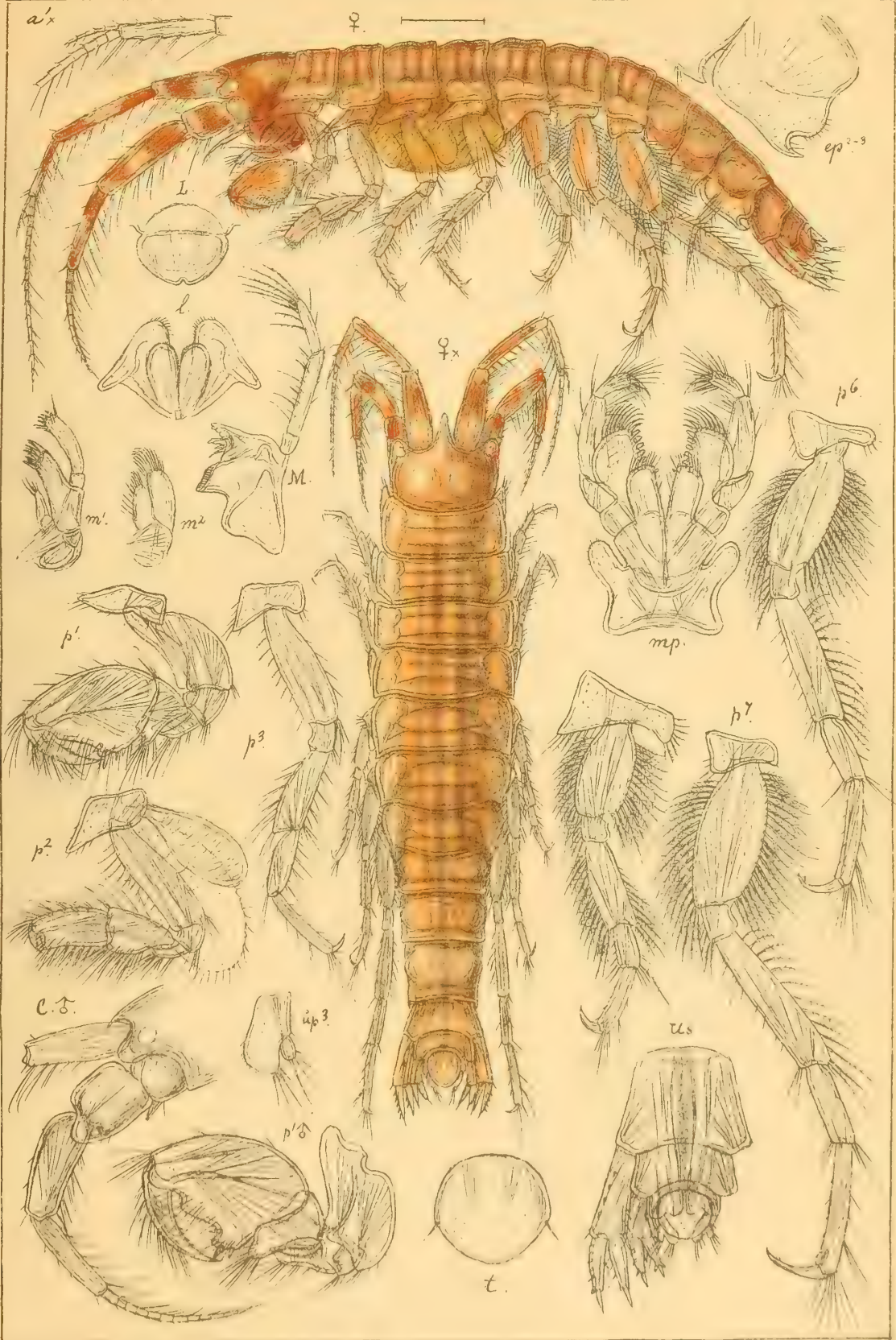
Corophium volutator (Linné).
grossipes (Linné).





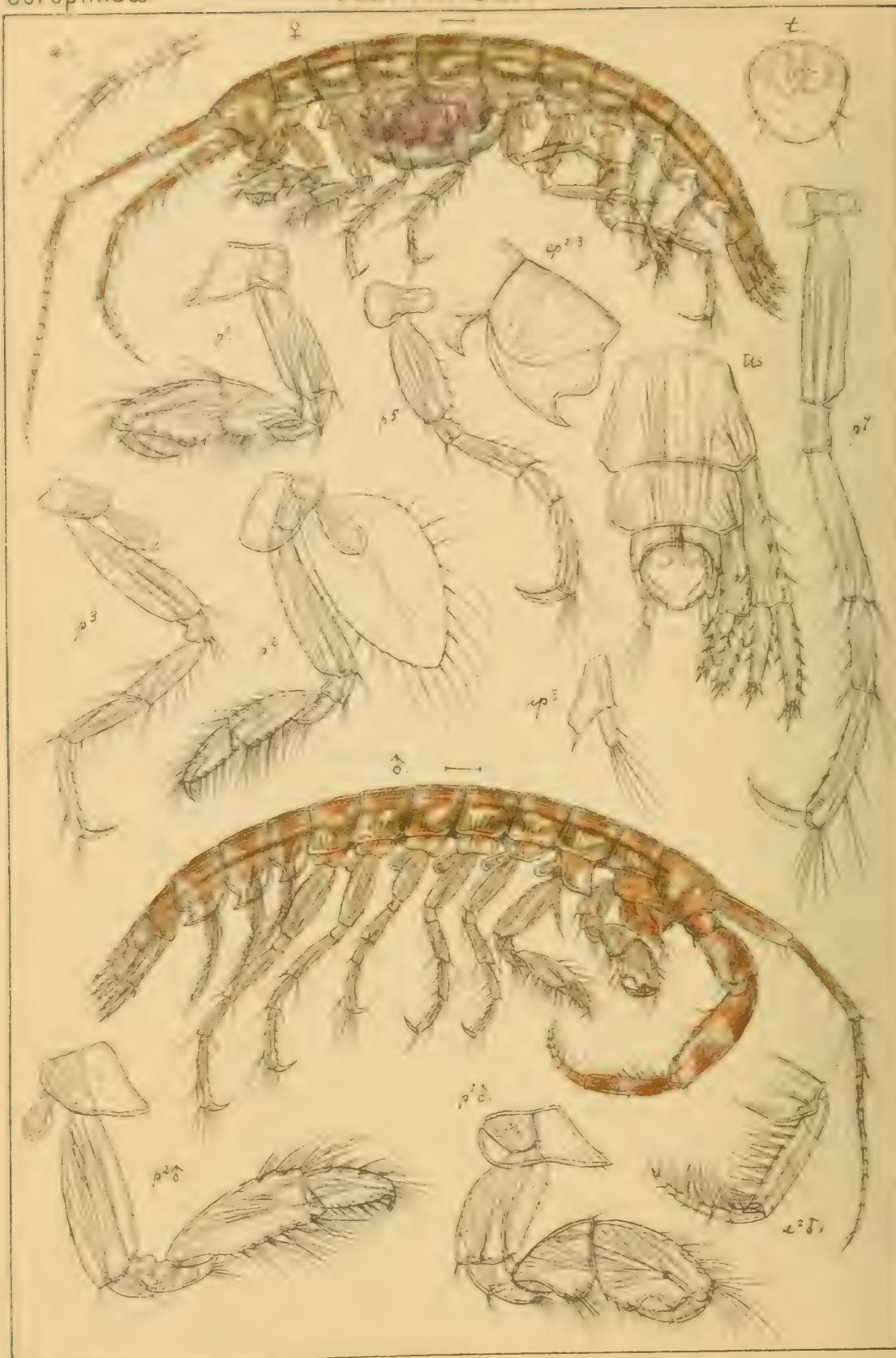
G.O.Sars autogr.

1. *Corophium Bonelli*, M.-Edw.
 2. *Corophium affine*, Bruzel.



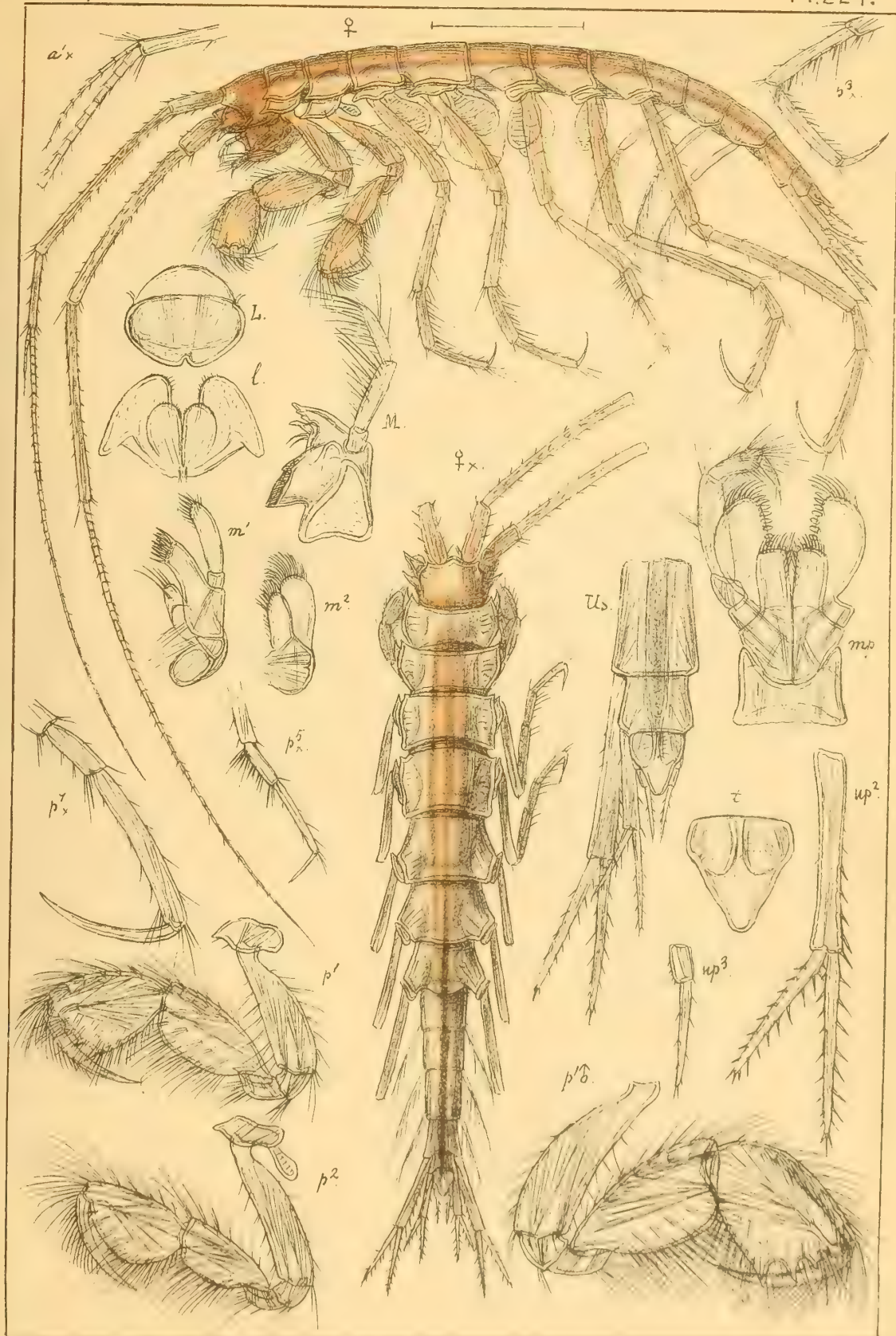
G.O.Sars autogr

Unciola leucopis, (Kröyer.)



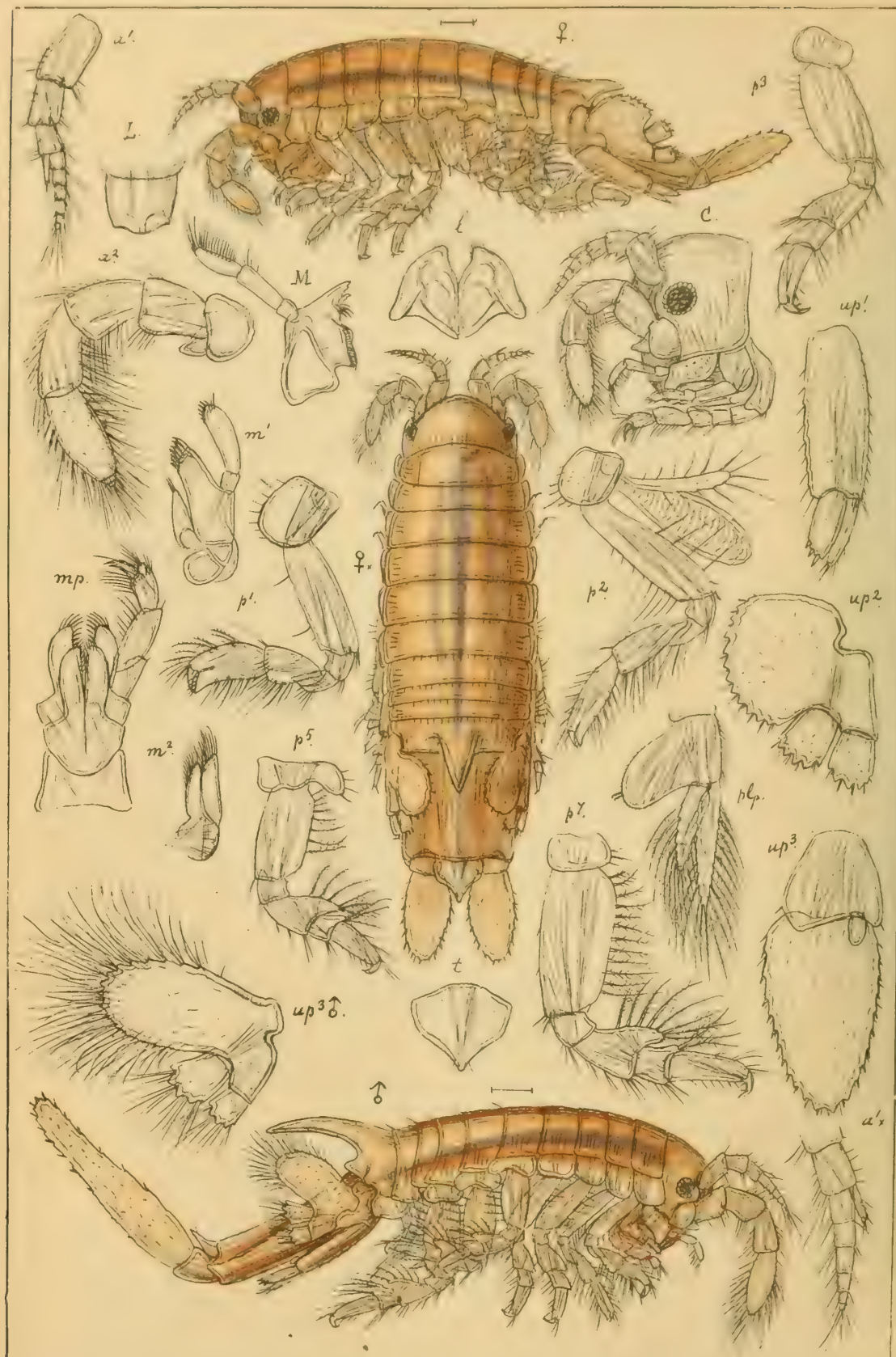
60 Sars autogr.

Unciola planipes, Norm.



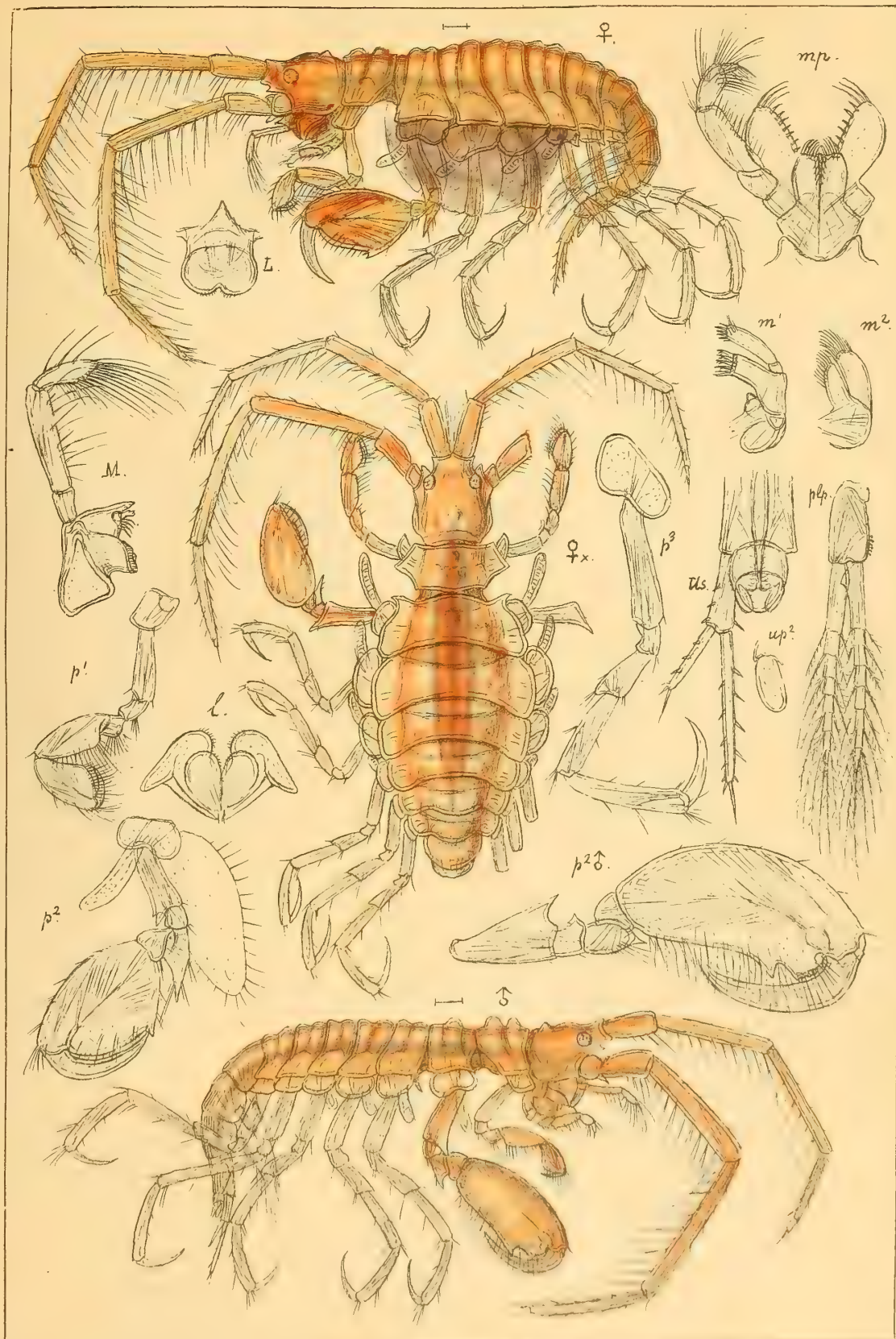
G.O.Sars autogr.

Neohela monstrosa, (Boeck).



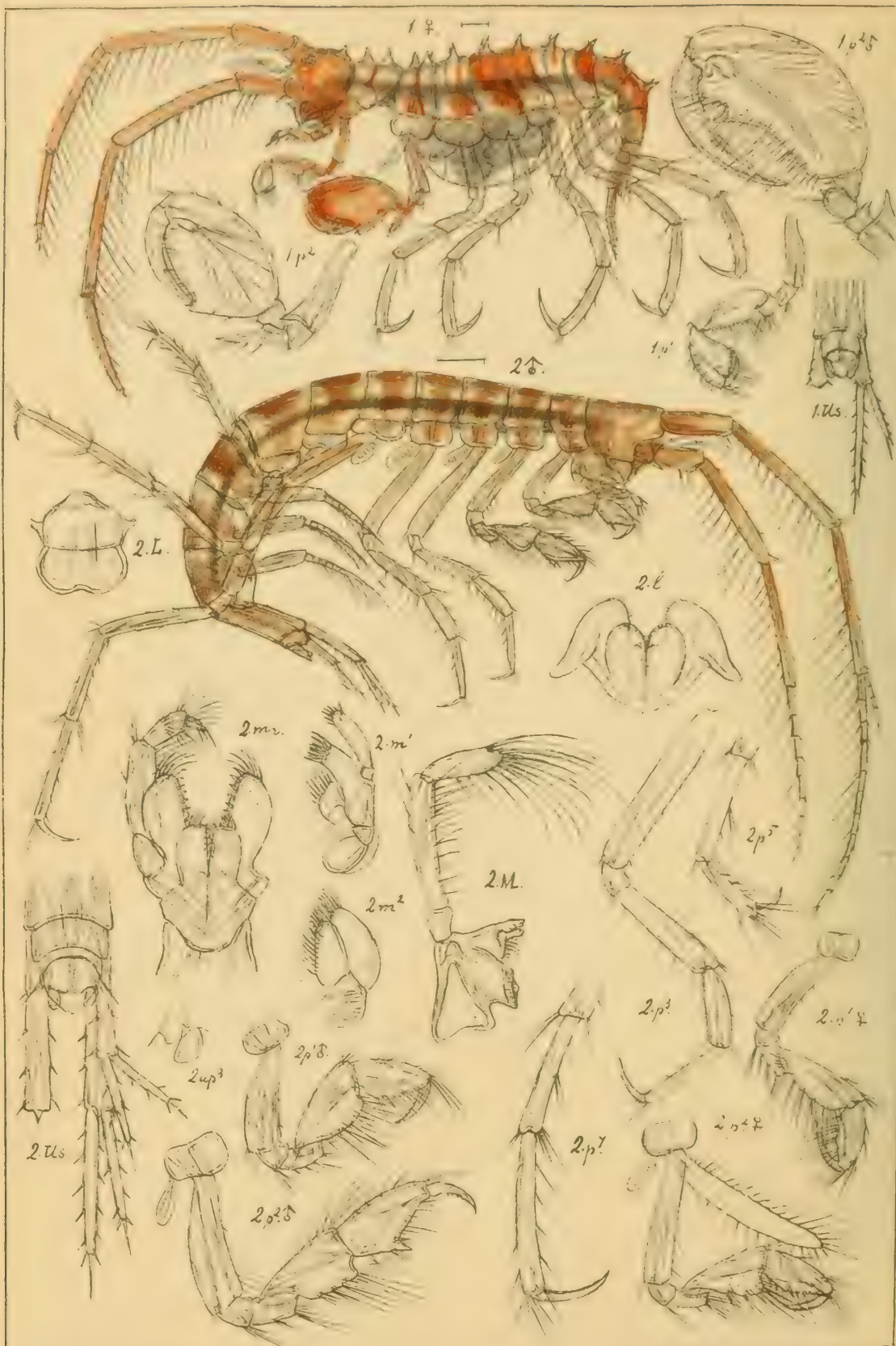
G.O.Sars autogr.

Chelura terebrans, Phil.



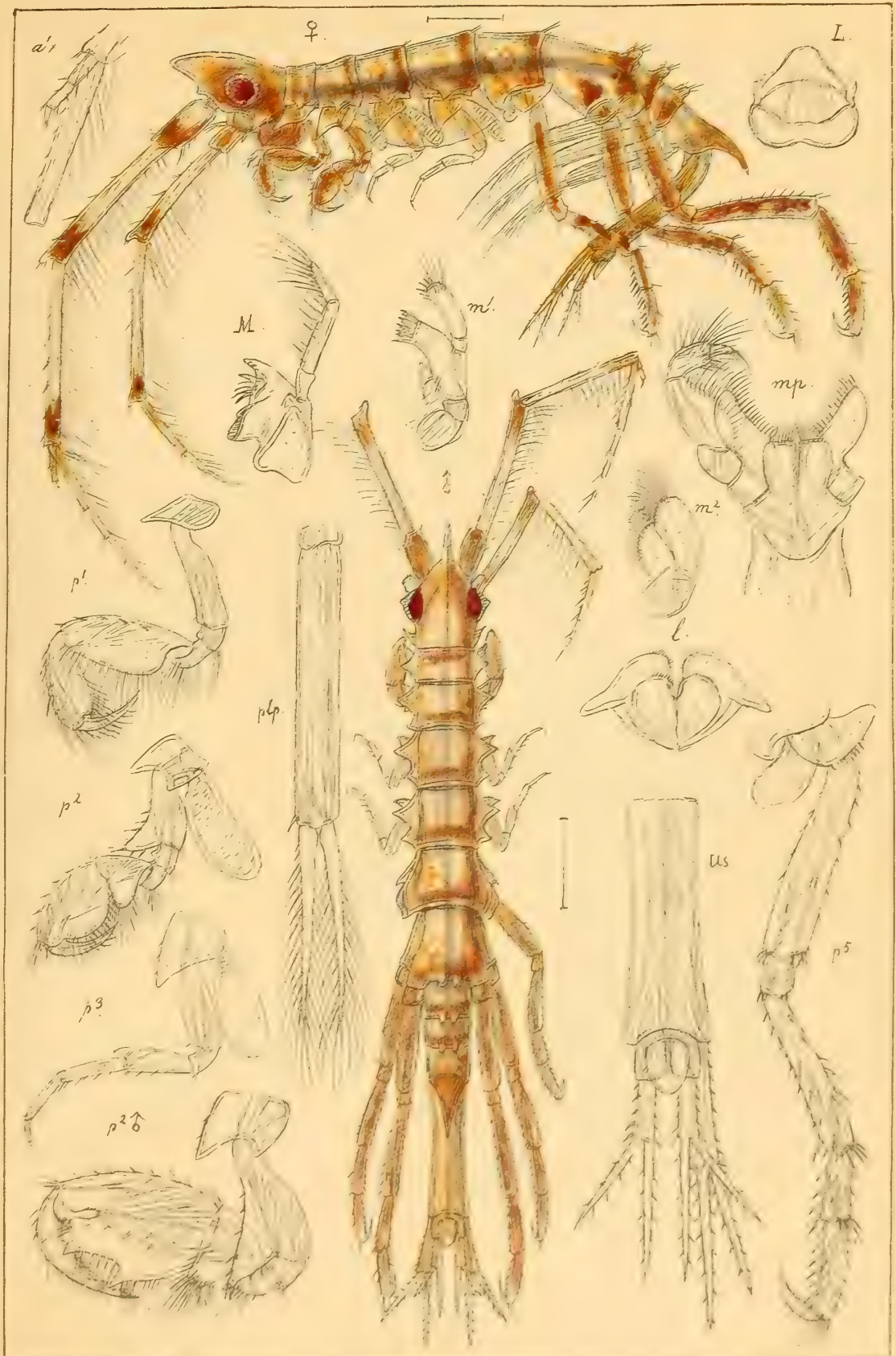
G.O.Sars autogr.

Lætmatophilus tuberculatus, Bruz.



G.O.Sars autogr.

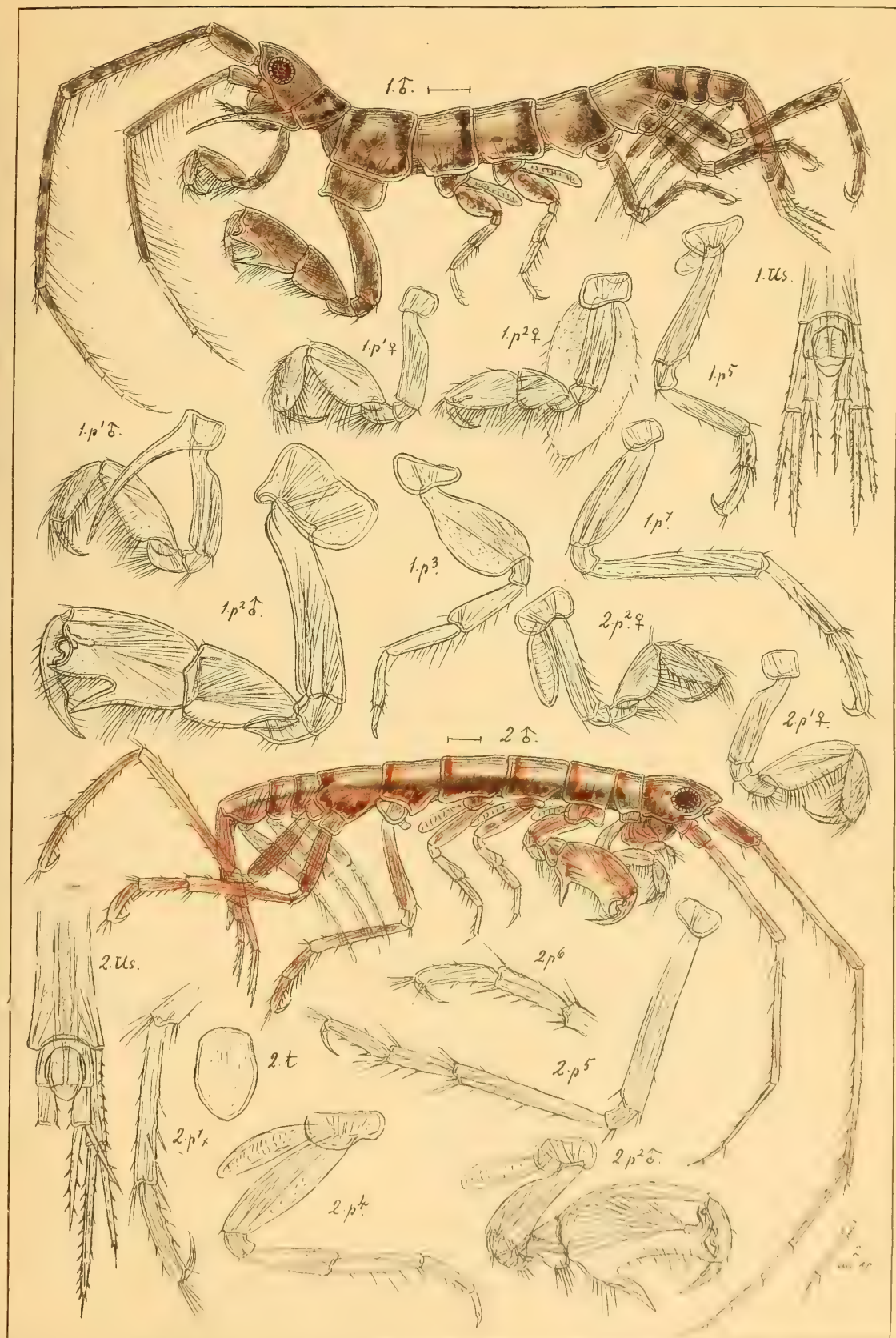
1. *Lætmatophilus armatus*. (Norm.).2. *Xenodice Frauenfeldti*, Boeck.



G.O.Sars autogr.

Dulichia spinosissima, Kröyer.





G.O.Sars autogr.

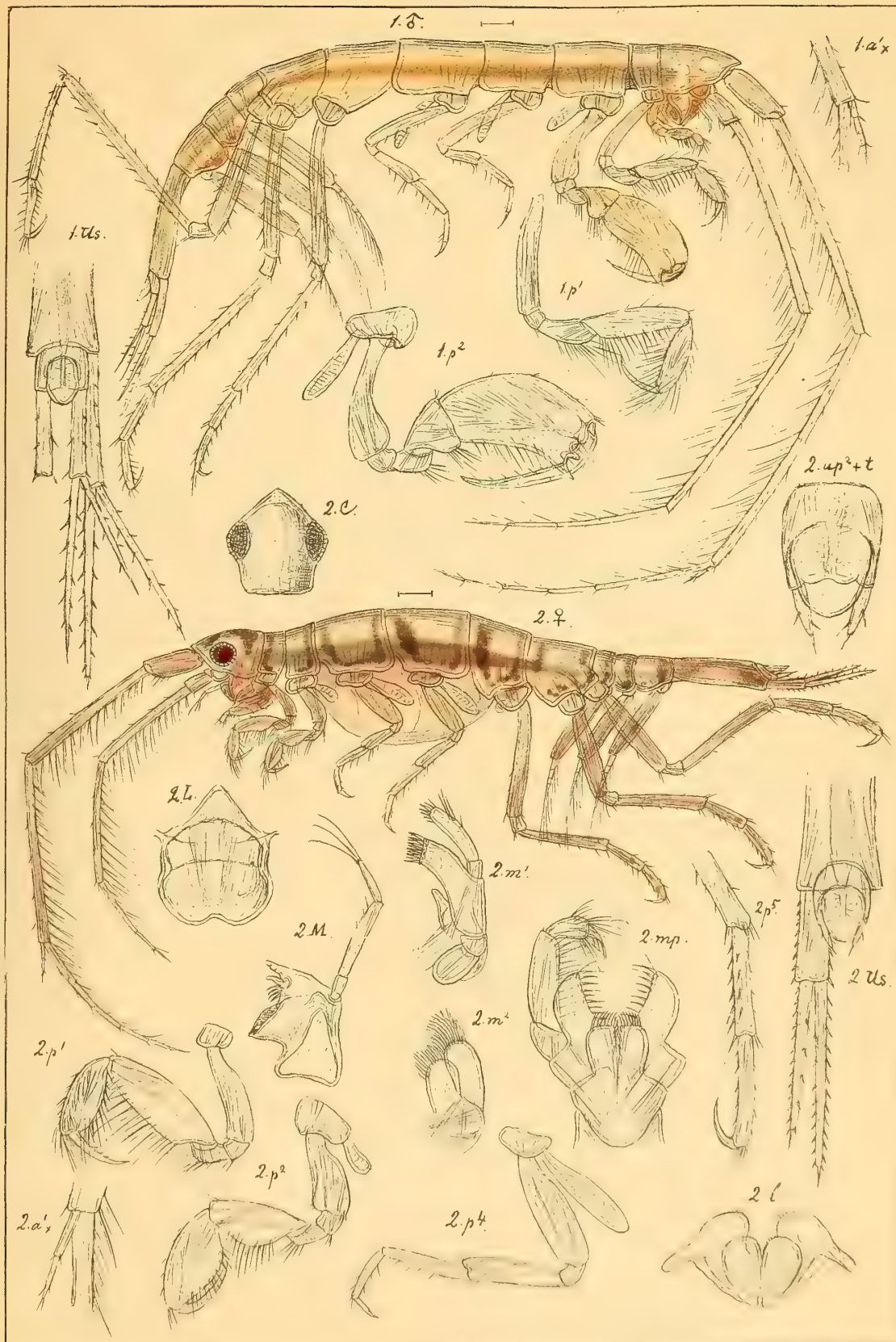
1. *Dulichia monacantha*, Metzger.
 2. *Dulichia curticauda*, Boeck.



G.O. Sars autogr.

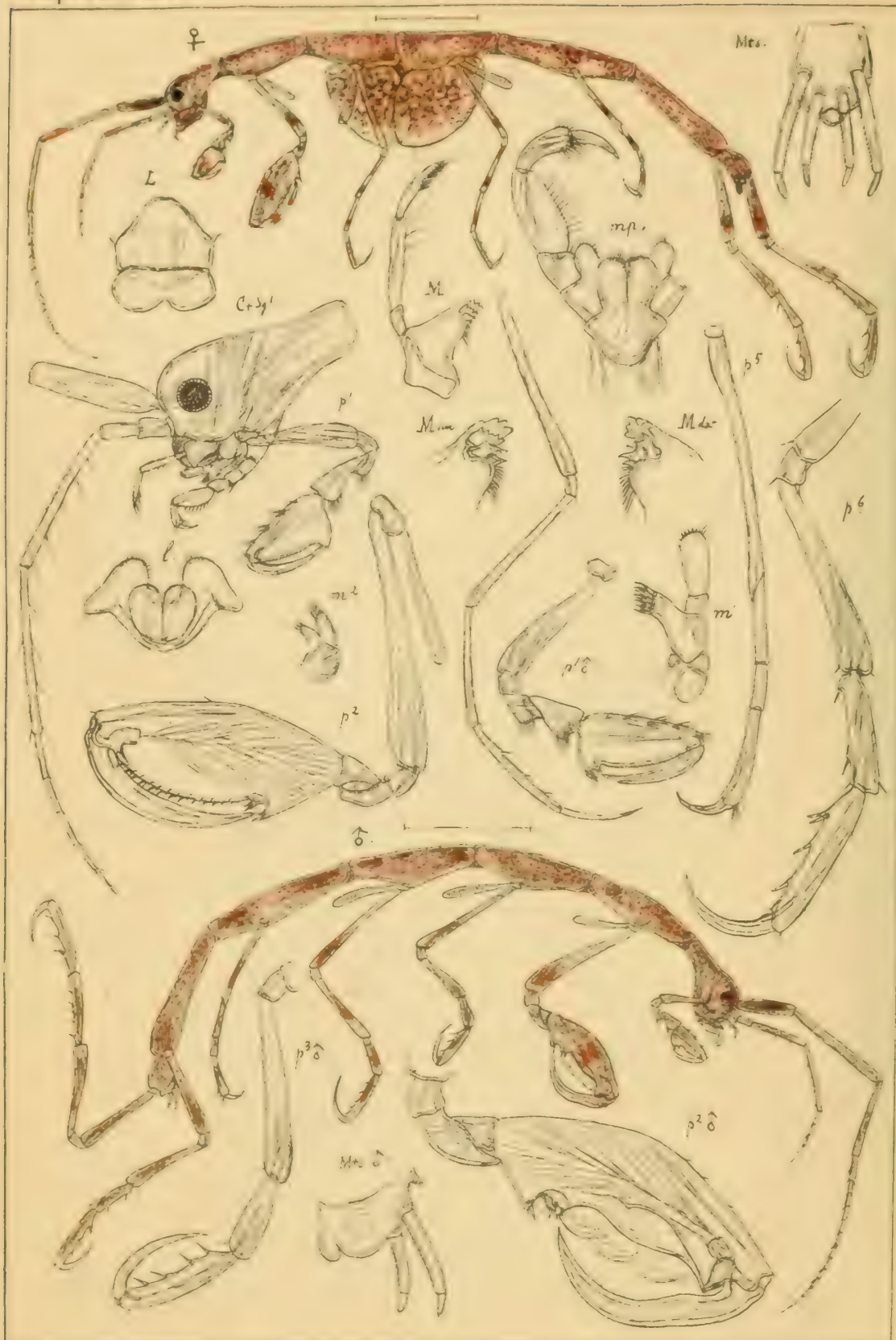
1. *Dulichia falcata*, Sp. Bate.

2. *Dulichia nordlandica*, Boeck. ♀.



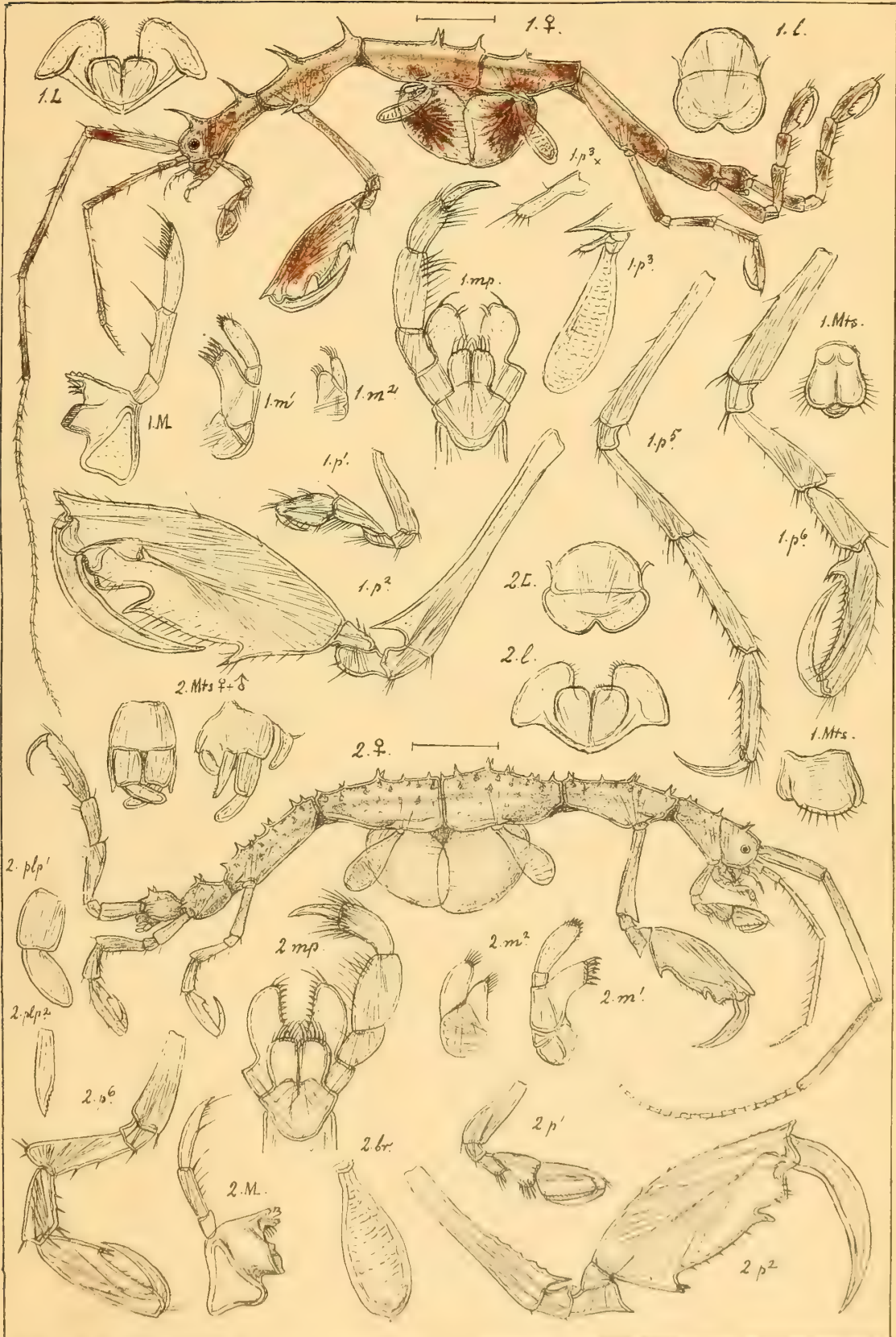
G.O. Sars autogr.

1. *Dulichia nordlandica*, Boeck ♂
 2. *Paradulichia typica*, Boeck.



G.O. Sars autogr.

Proto pedata, (Müll.)



G.O. Sars autogr.

1. *Protella phasma*, (Mont.)

2. *Agina echinata*, Boeck.

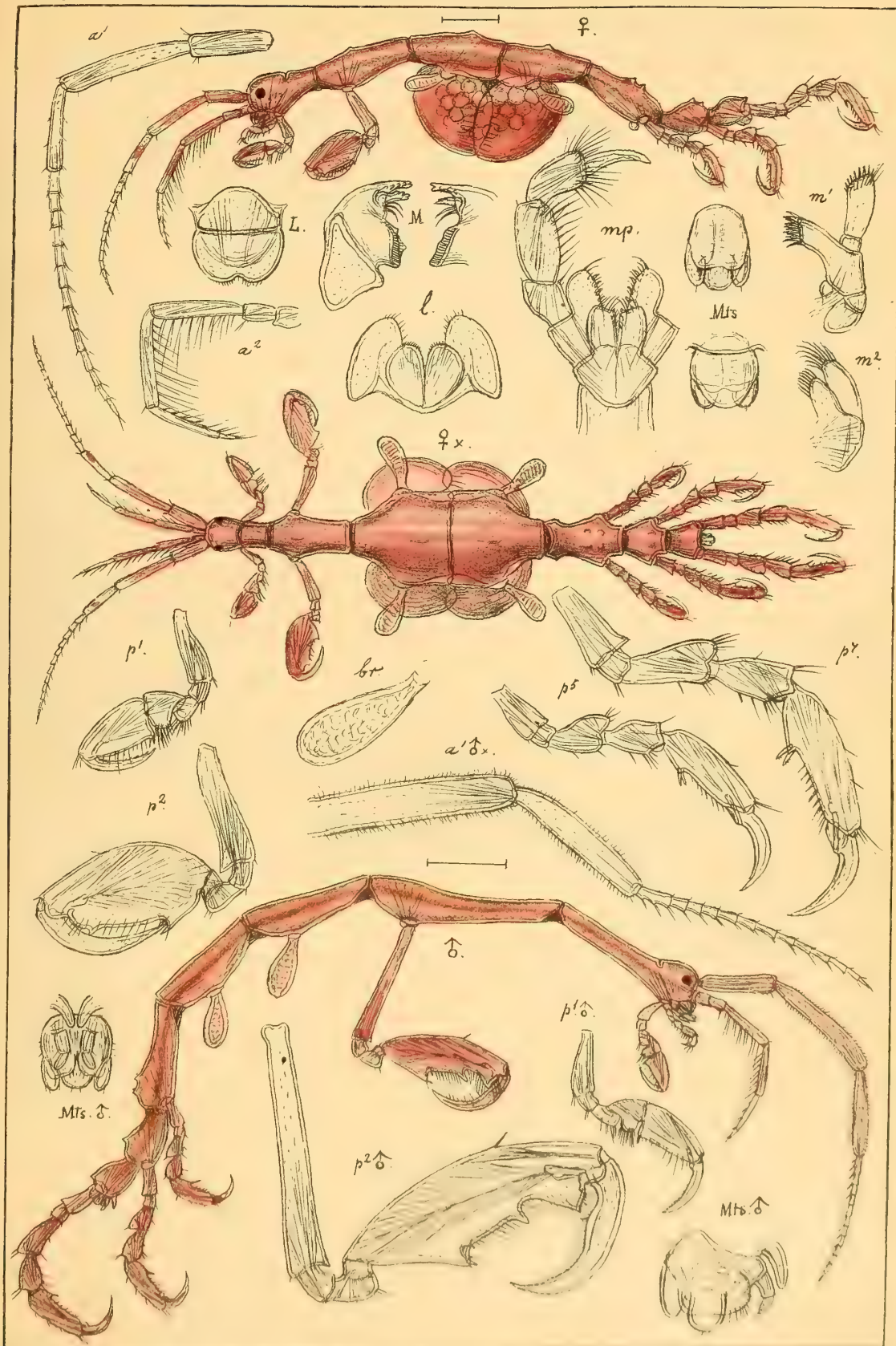
Agina



G.O.Sars autogr.

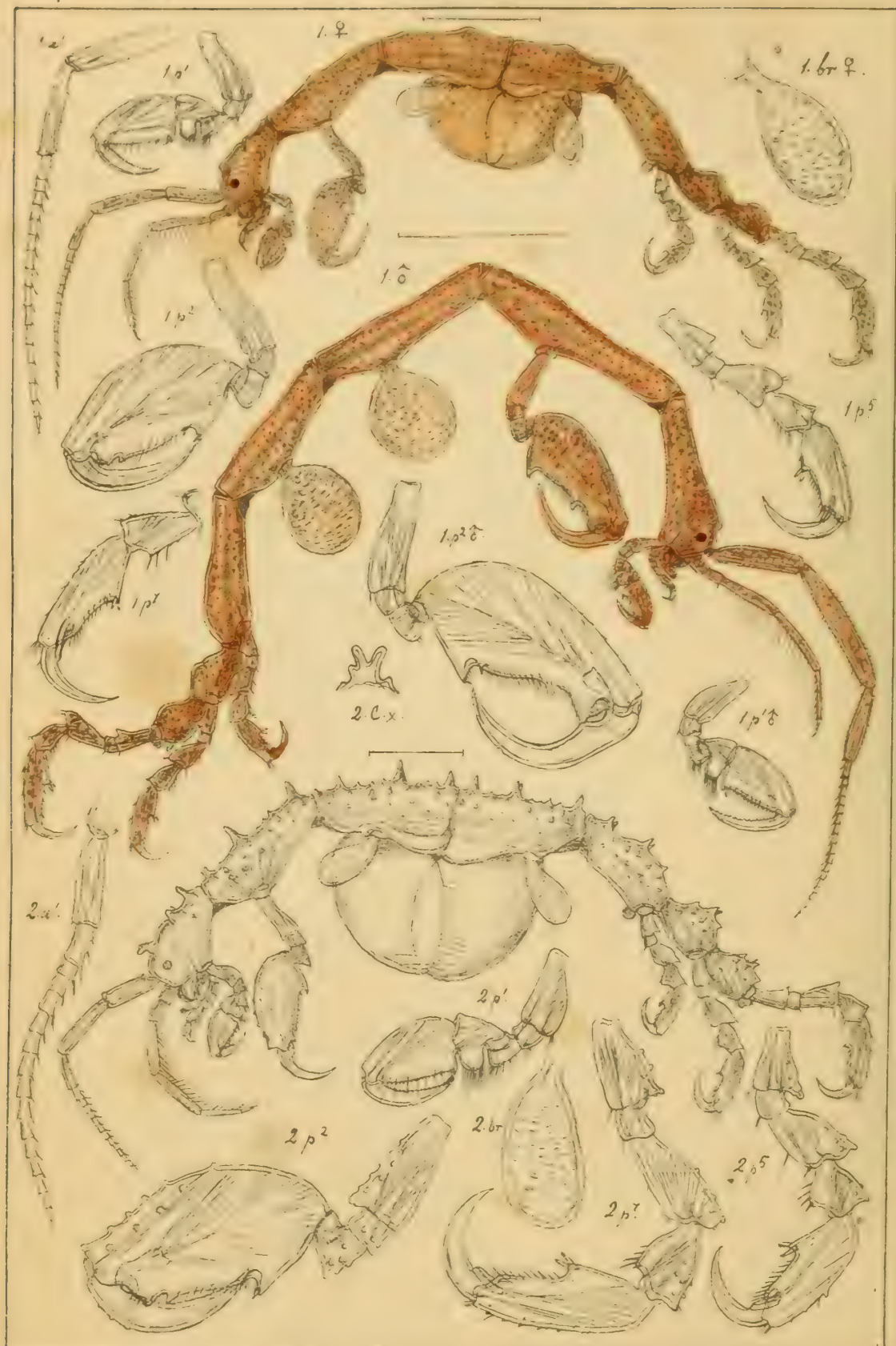
1. *Aeginella spinosa*, Boeck.

2. *Podalirius typicus*, Kröyer.



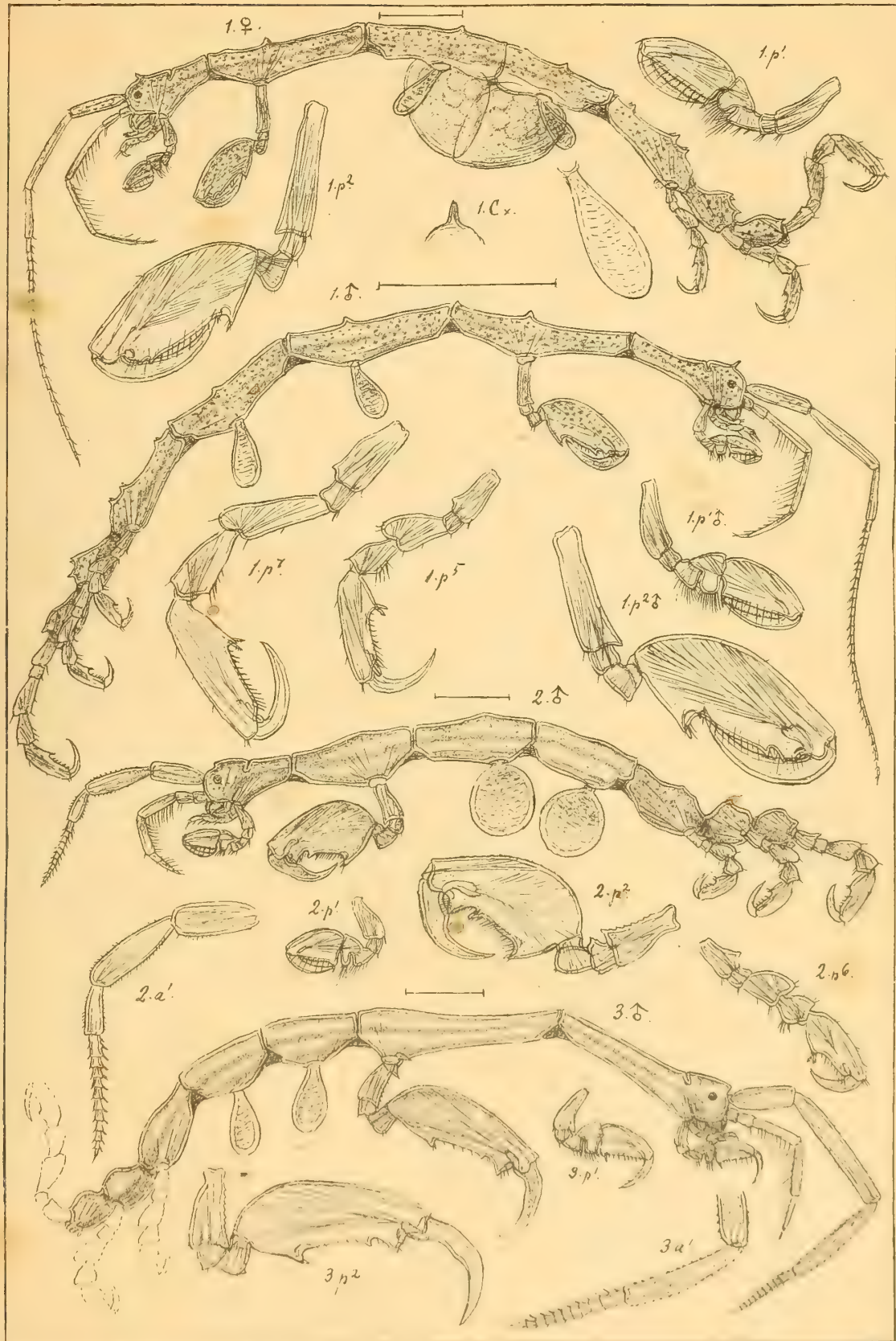
G.O. Sars autogr.

Caprella linearis, (Lin.)



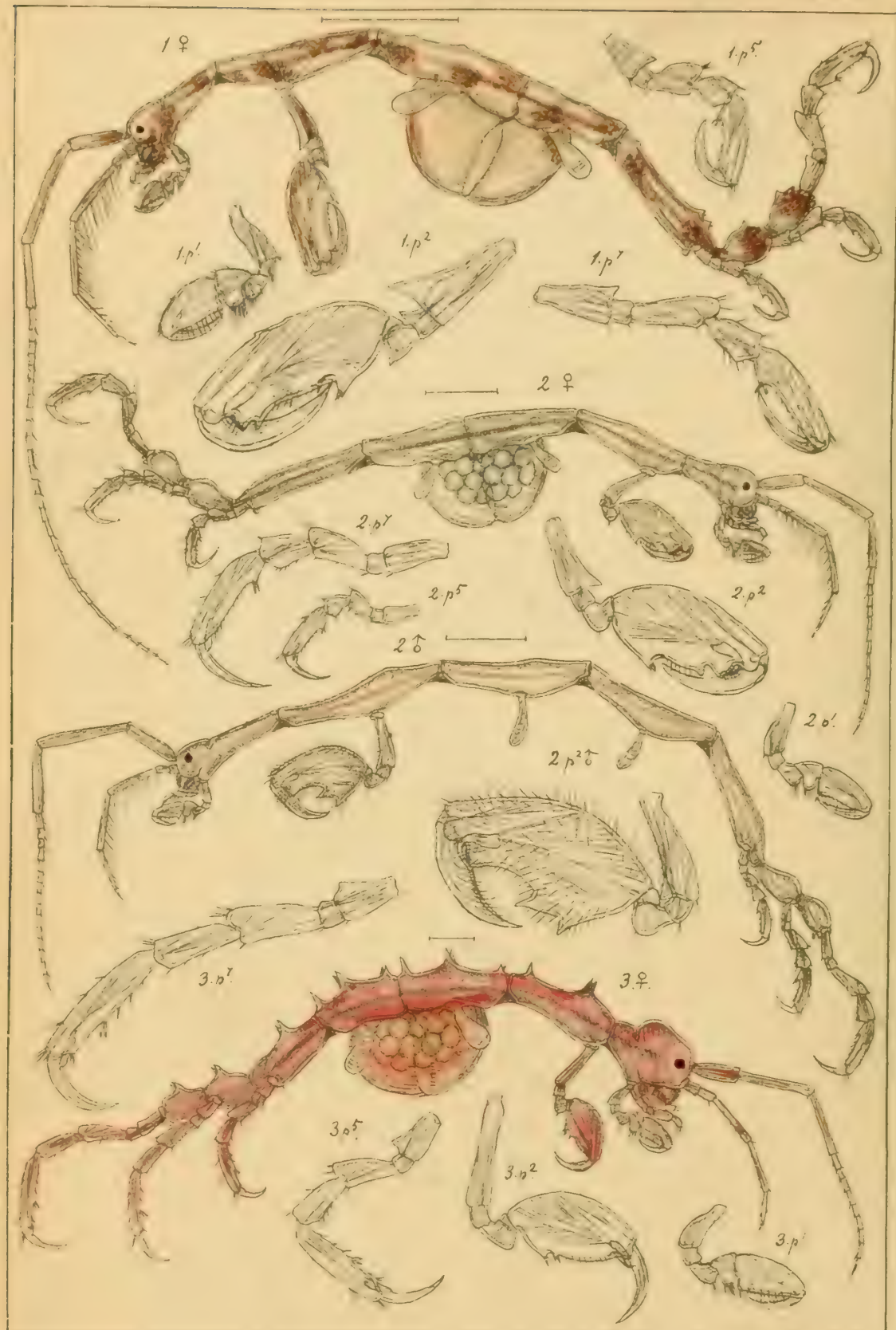
G.O. Sars autogr.

1. *Caprella septentrionalis*, Kröyer.
2. *Caprella punctata*, Boeck.

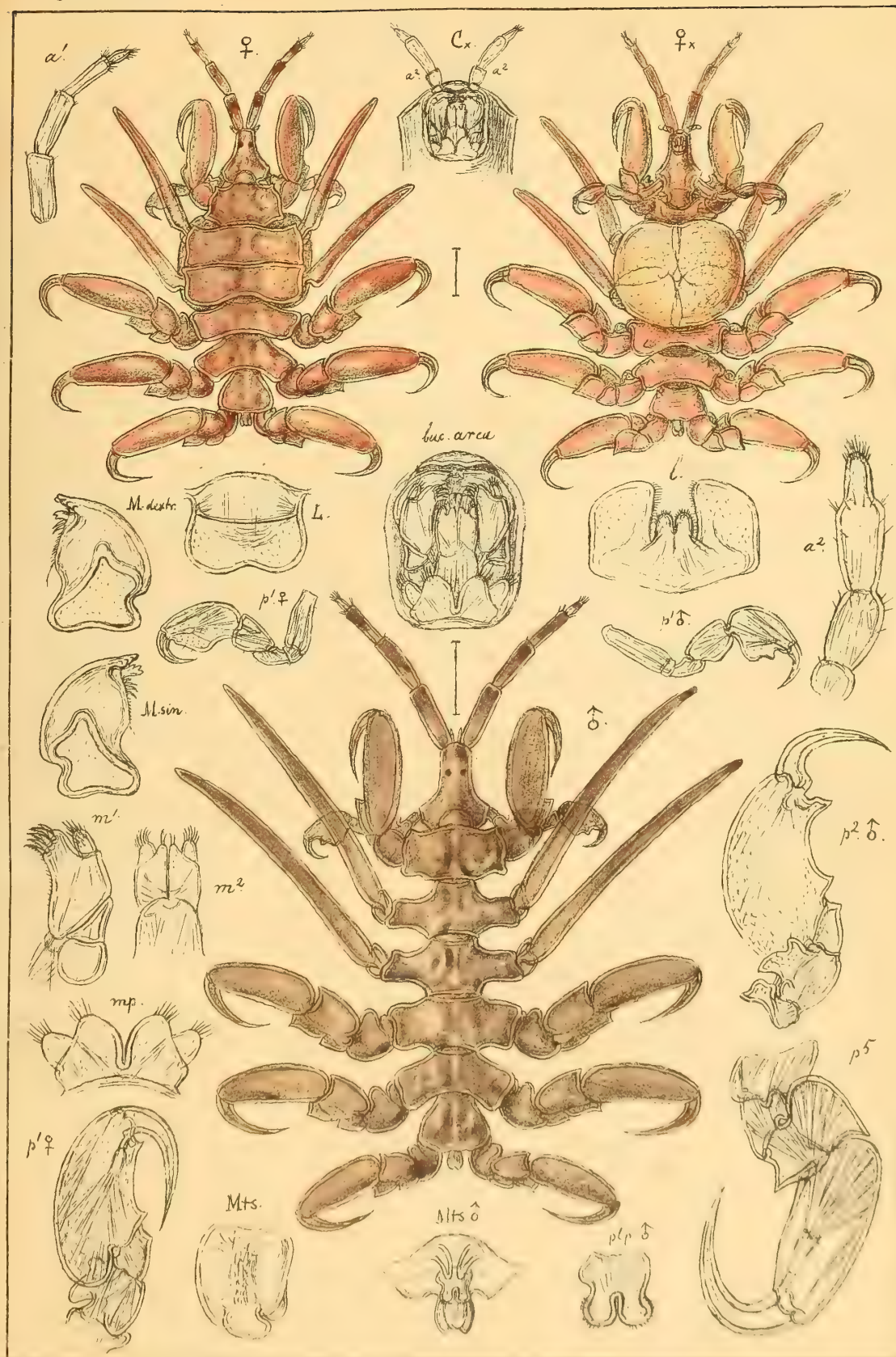


G.O. Sars autogr.

1. *Caprella monocera*, n.sp.2. *Caprella Lovéni*, Boeck.3. *Caprella æquilibra*, Say.

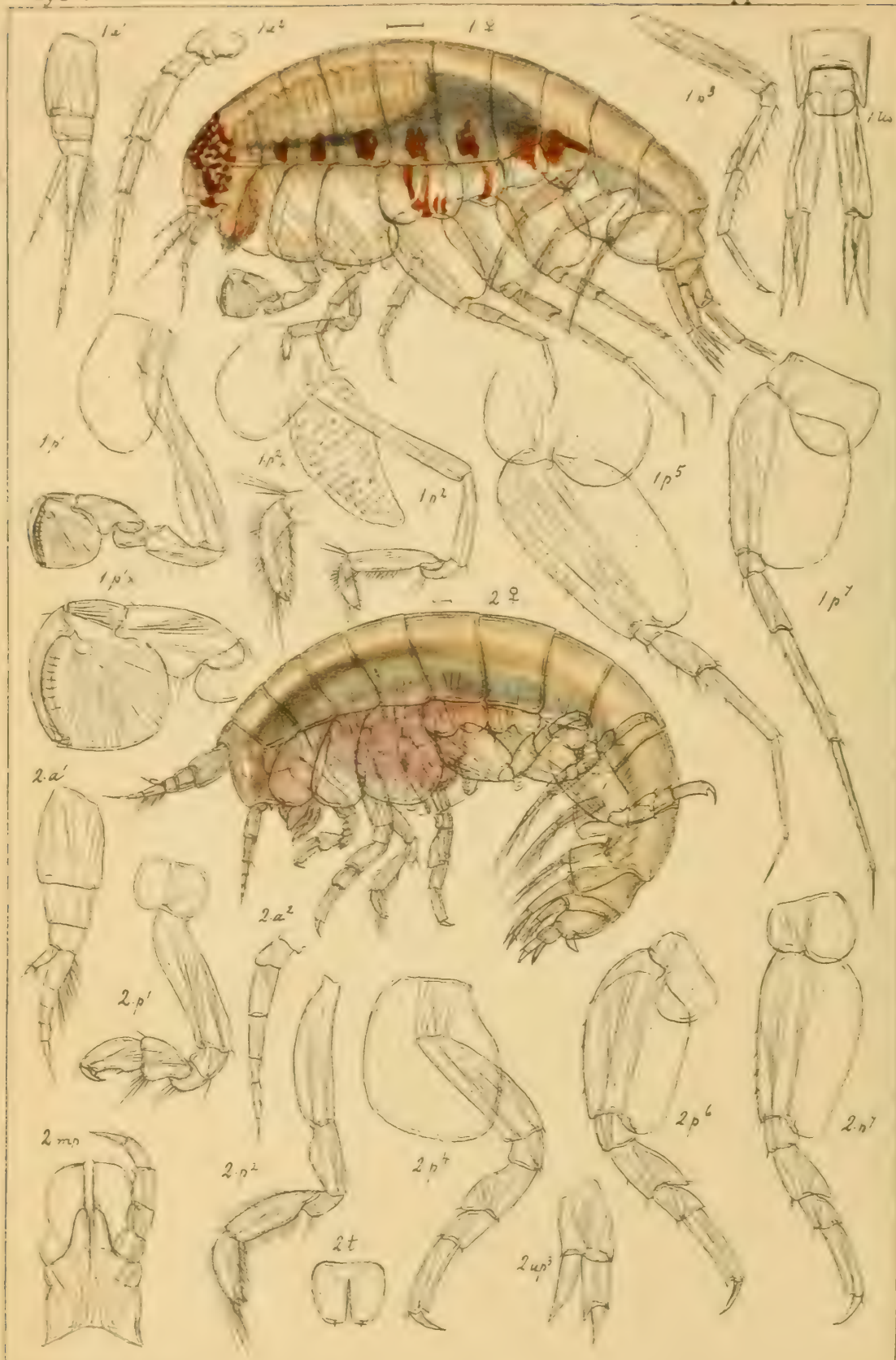


G.O.Sars autogr. 1. *Caprella microtuberculata*, G.O.Sars.
 2. *Caprella ciliata*, G.O.Sars.
 3. *Caprella acanthifera*, Leach.



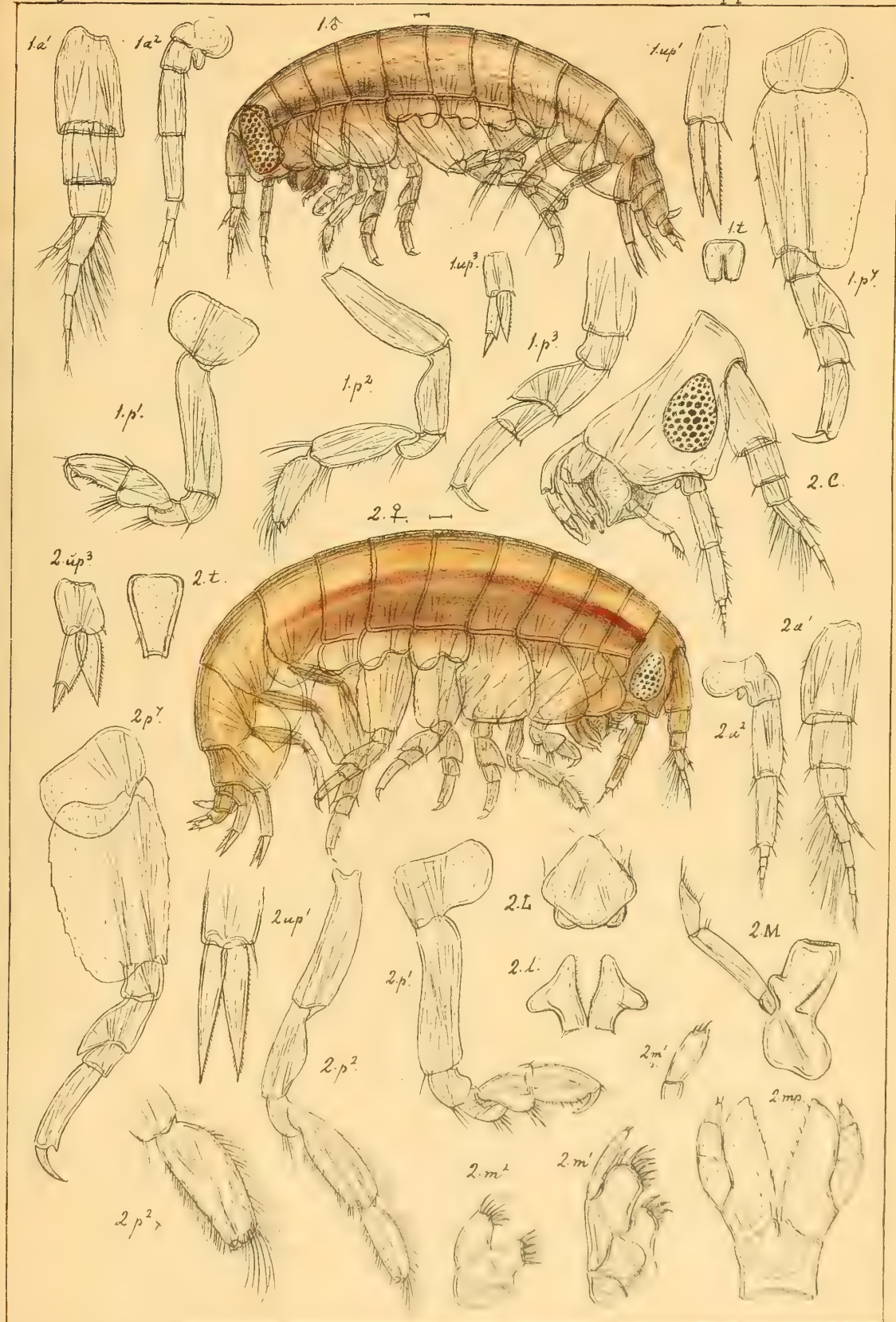
G.O. Sars autogr.

Cyamus boopis (Lütken.



G.O. Sars autogr.

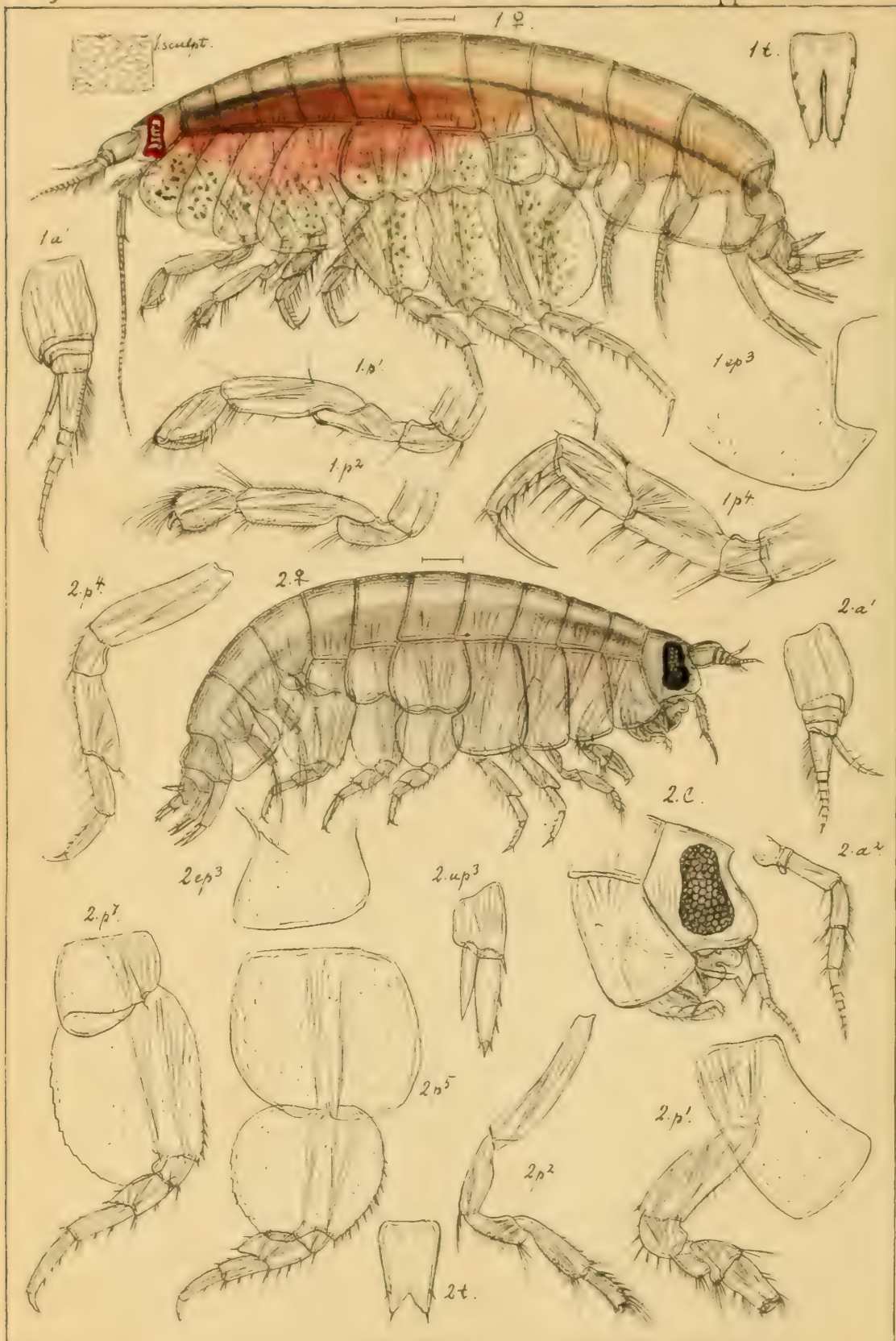
1. *Normanion amblyops*, n. sp.2. *Aristias microps*, n. sp.



G.O. Sars autogr.

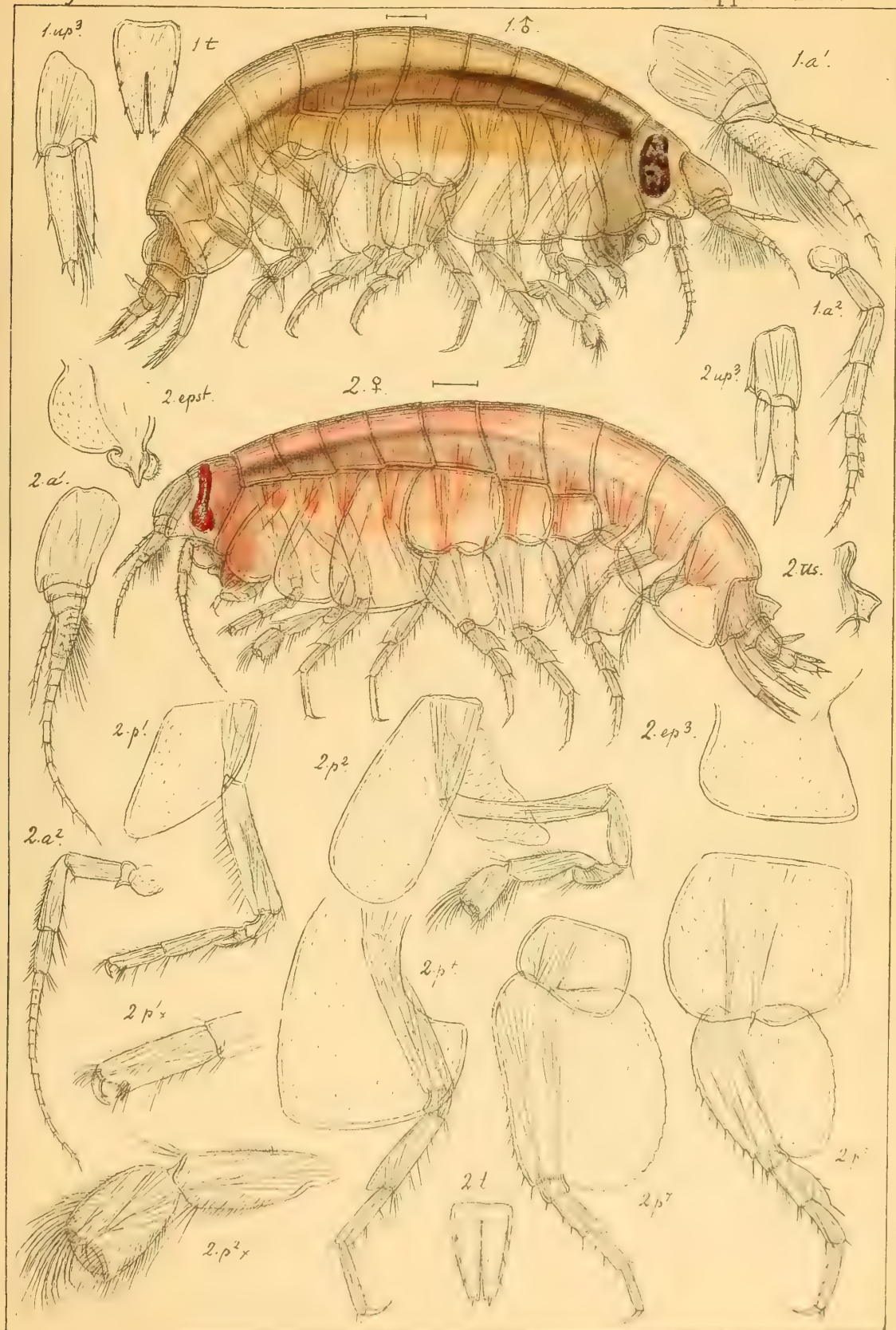
1. *Aristias megalops*, n, sp.

2 *Perrierella audouiniana*, (Sp.Bate.)



G.O.Sars autogr.

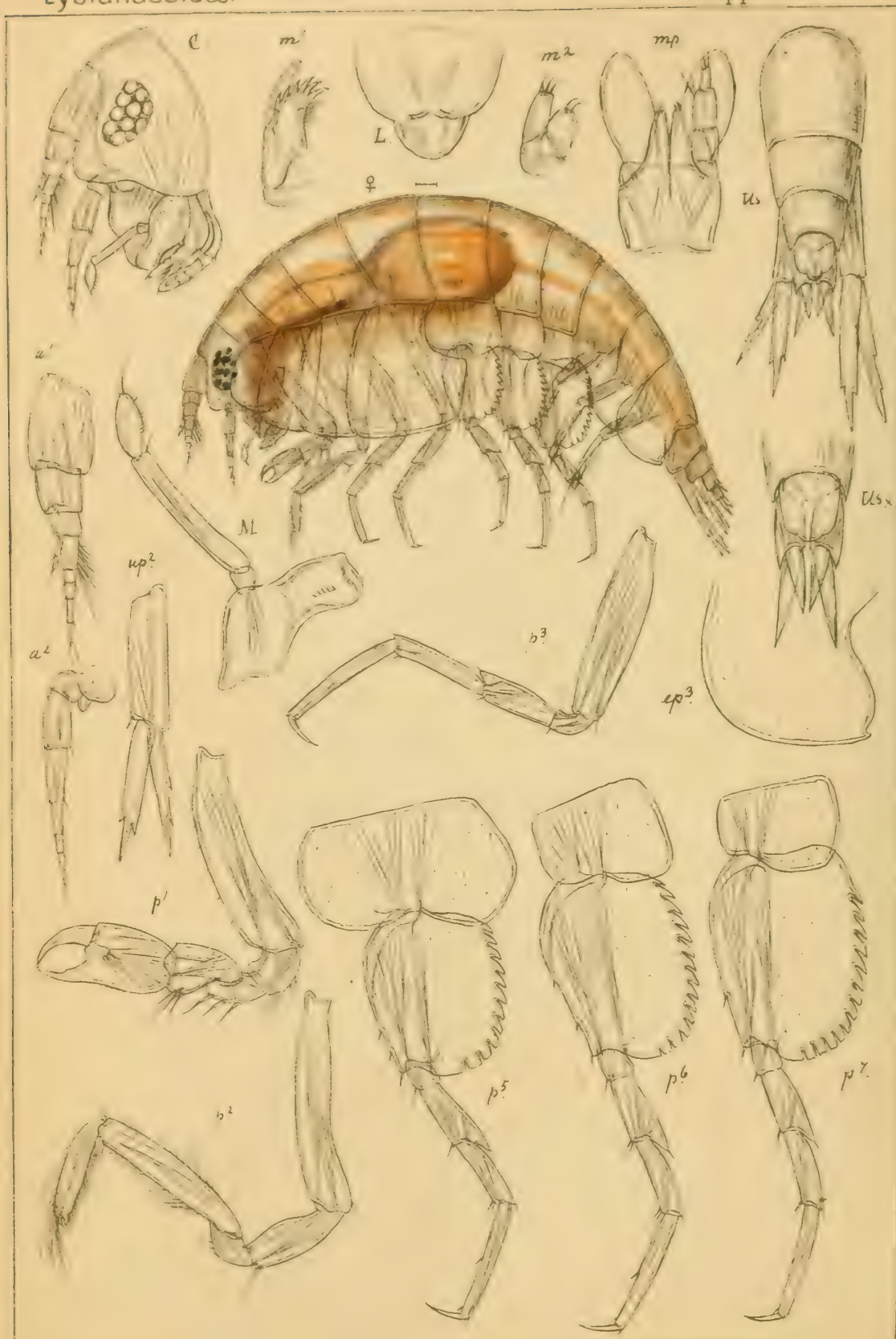
1. *Hippomedon robustus*, n.sp.2. *Orchomene Hanseni*, Meinert.



G.O. Sars autogr.

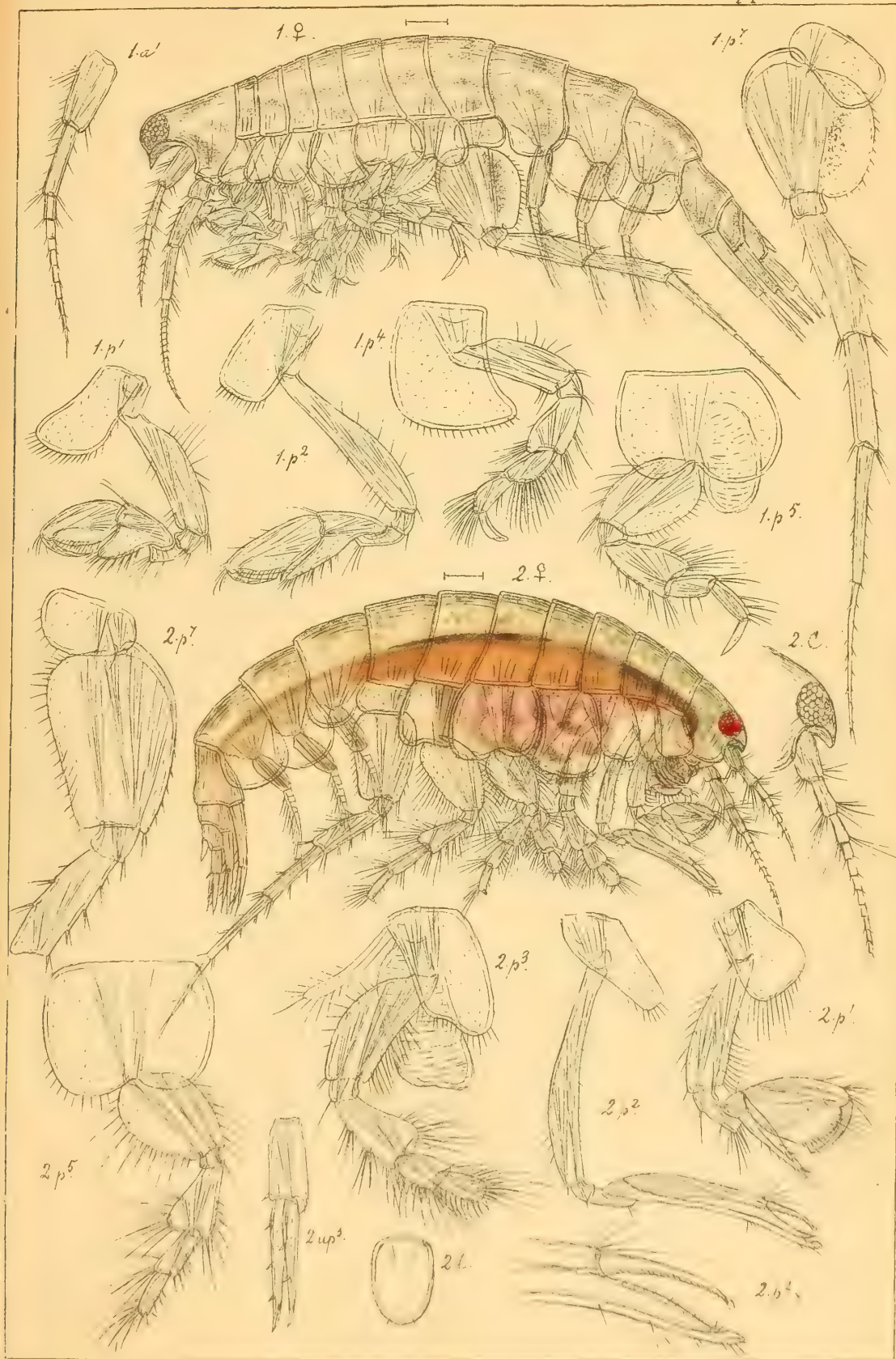
1. *Orchomene serratus*, Boeck. ♂

2. *Tryphosa compressa*, G.O Sars.



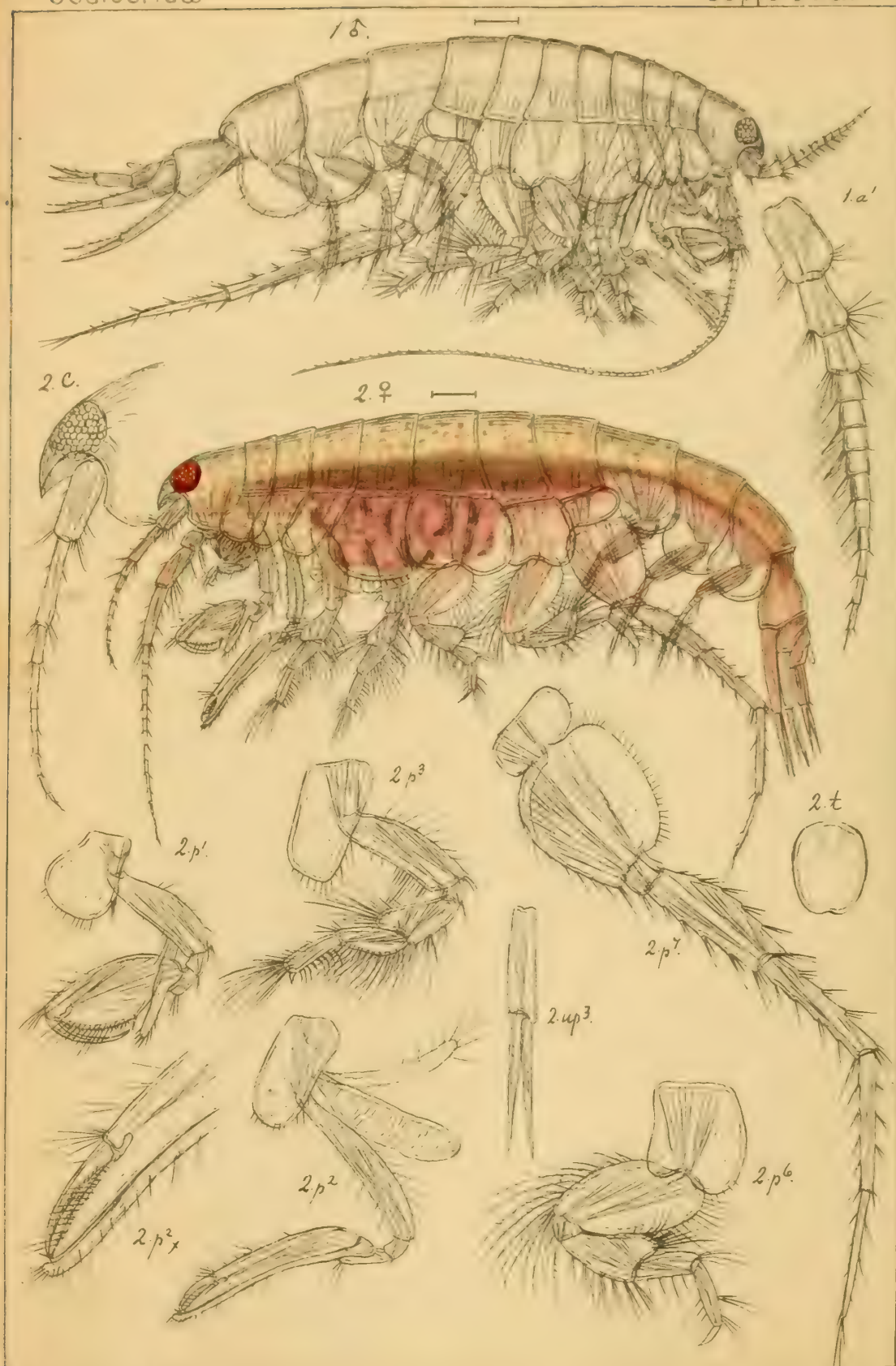
G.O. Sars autogr.

Podoprionella norvegica, n. gen. & sp.



G.O. Sars autogr.

1. *Monoculodes Schneideri*, n. sp.
 2. *Pontocrates arenarius*, (Sp. Bate) ♀



G.O. Sars autogr.

1. *Pontocrates arenarius*, (Sp. Bate) ♂.
2. *Pontocrates altamarinus*, (Sp. Bate.)



G.O. Sars autogr.

1. *Tritæta gibbosa*, (Sp. Bate) ♂.
2. *Dulichia Normani*, n. sp.
3. *Caprella punctata*, Boeck. ♂.



Prospectus.

The undersigned, who for many years has been especially engaged in the study of the various groups of Crustacea, and who, on his many journeys of research, has been enabled to make himself especially familiar with the species represented in the northern fauna, hereby begs to invite Norwegian and foreign zoologists to subscribe to a complete work on the Crustacea of Norway. In this work, the author will characterise, as concisely as possible, all the Norwegian species hitherto known and, what is of great importance, the descriptions will be accompanied by carefully drawn figures of all the forms. The lack of good plates has hitherto made the study of this interesting class of animals very difficult, and, in many cases, has caused sad confusion in the synonymy. It is now the author's intention to try to make the species belonging to the fauna of Norway easily recognisable and definable, which, much better than by the most elaborate descriptions, may undoubtedly be brought about by habitus figures, true to nature, and of sufficient size and clearness. All the plates will be prepared by the author himself, by the autographic method applied by him very successfully during a series of years; and as by this means the expense of lithographing will be avoided, the work can be delivered, richly illustrated, at a comparatively low price. As the state of affairs at our University, for the time, is not such as to allow one to suppose that a work of this extent can be expected to be published by the University within a reasonable time, the author is obliged to adopt the mode of publication suggested here, and does not doubt but that the undertaking will meet with a favourable reception by foreign zoologists, and that no difficulties will arise to prevent its being completed at a comparatively early date. To obtain as large a distribution as possible it will be written entirely in the English language, — As stated, the letterpress descriptions will be as concise as possible, and will be chiefly confined to short diagnoses of the families, genera and species, critical remarks as to the synonyms, and information as to occurrence and distribution of the species. — The utmost

which the above-mentioned method has been used.

The most of all, is that in which the determination of species has been connected with the greatest difficulties, and which therefore requires a thorough revision. The numbers will appear at as short intervals as possible. As all the plates are prepared in autography, and the expenses are thus quite independent of the number of plates, the work will be carried out to the greatest possible best advantage. The habitus figures, which in nearly every case are from living specimens, will thus be fully drawn, showing the mode of pigmentation (including the colour of the body, and the colour of the appendages, and the outline), and there will also be given, on a greatly enlarged scale, detail figures of the most characteristic parts. The author has especially thought of the greatest importance to give correct representations of the complicated structure of the oral parts in the different genera as the classification of the Amphipoda ought chiefly to be based upon this character. In a limited number of copies, the plates will be coloured, from the original drawings by the author.

G. O. Sars,

Professor at the University of Christiania. Norway.

The above mentioned work will be published by the undersigned. The price for each number, 8 plates with (corresponding) 2 to 3 sheets of text, is 10 shillings (10 Nore) + postage 15 Ore pr. number. The subscription is binding to vol. 1 (Amphipoda).

This volume will contain about 30 numbers, and it will probably be published in 1890. A few more numbers will be published in 1891. The price of each number will be considerably greater.

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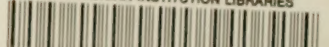
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